



Appl. No. 10/800,340; Attorney Docket No. 9301-228

Inventor: L. Weng

Response to August 30, 2007 Office Action

Replacement Sheet

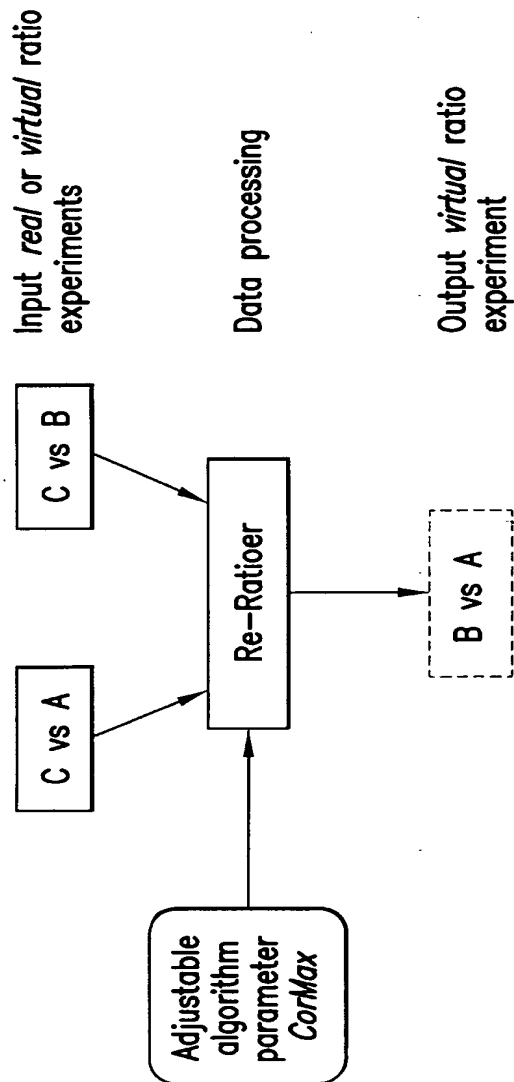


FIG.1

Replacement Sheet

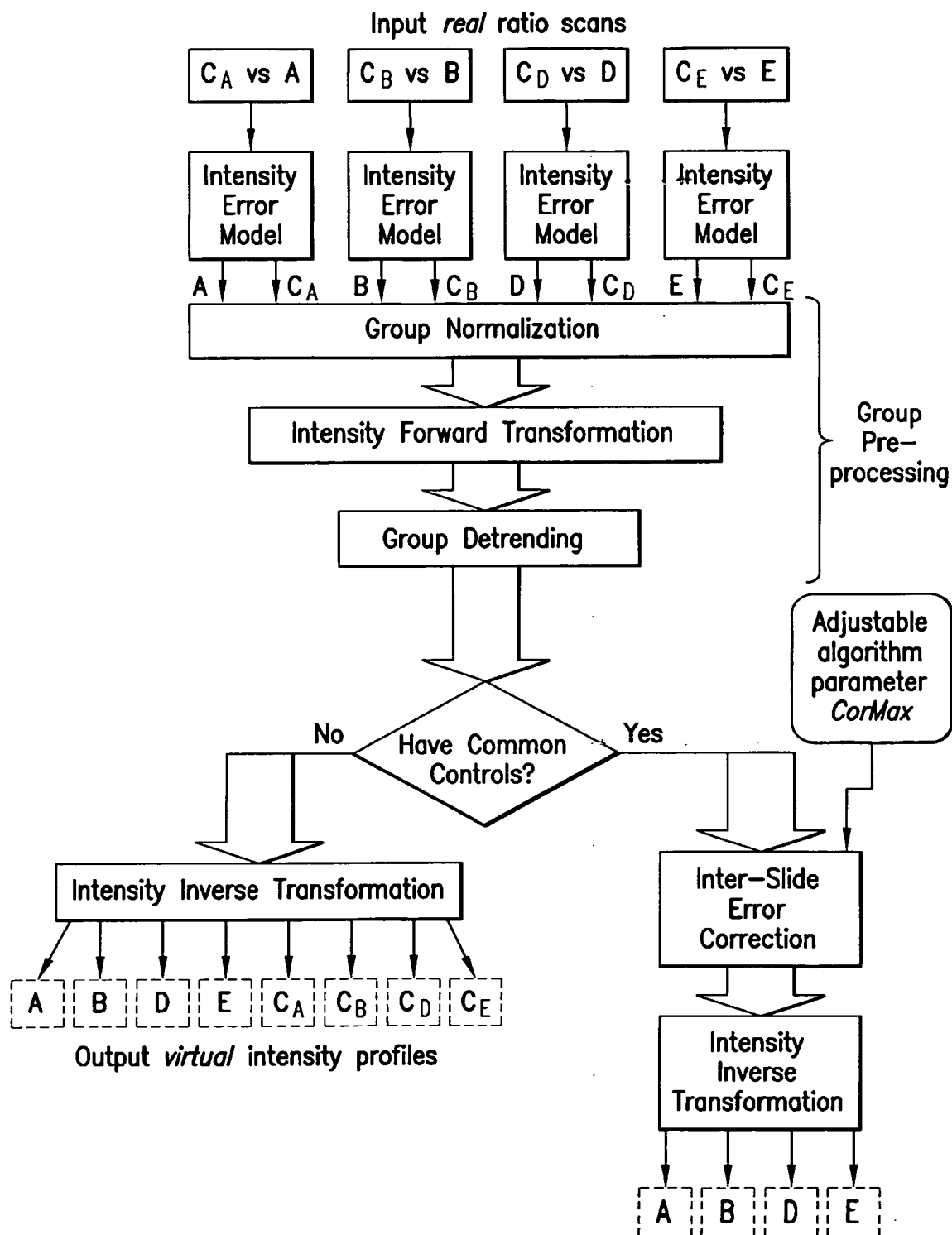


FIG.2 Output *virtual* intensity profiles

Replacement Sheet

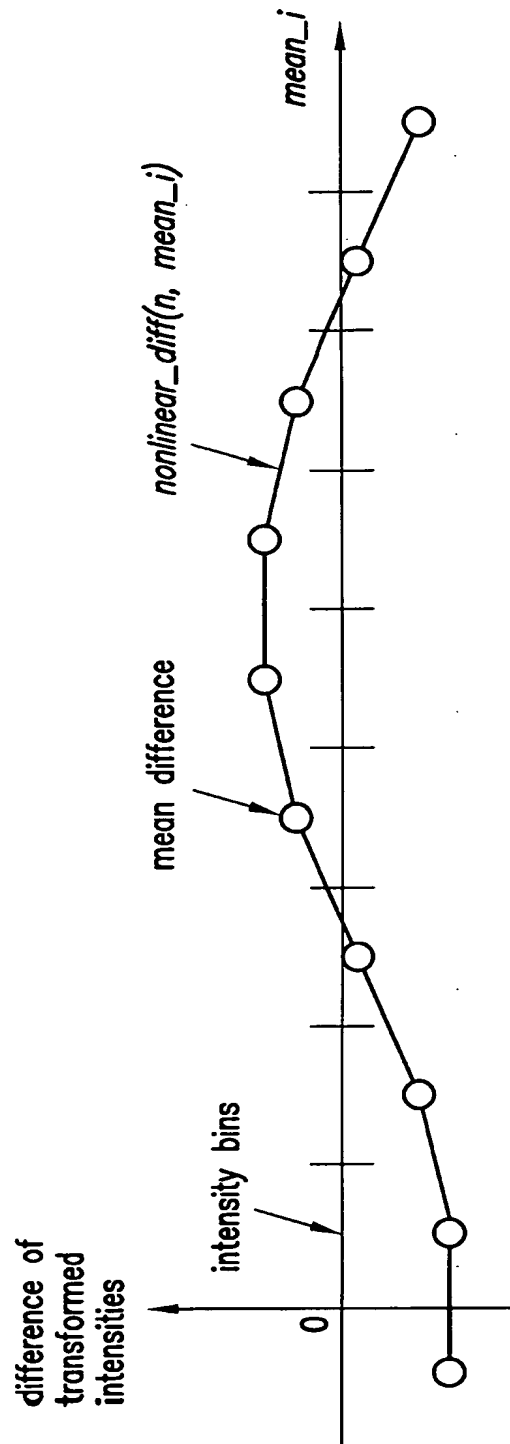


FIG.3

Replacement Sheet

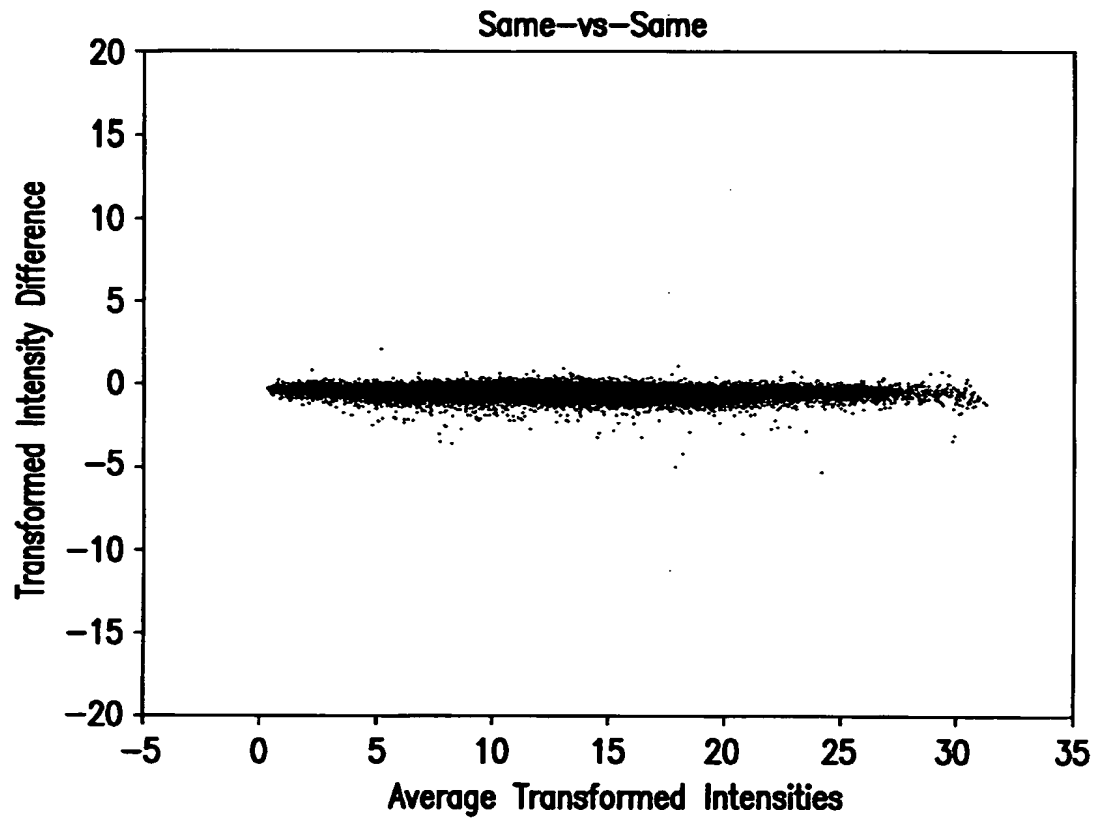


FIG.4

Replacement Sheet

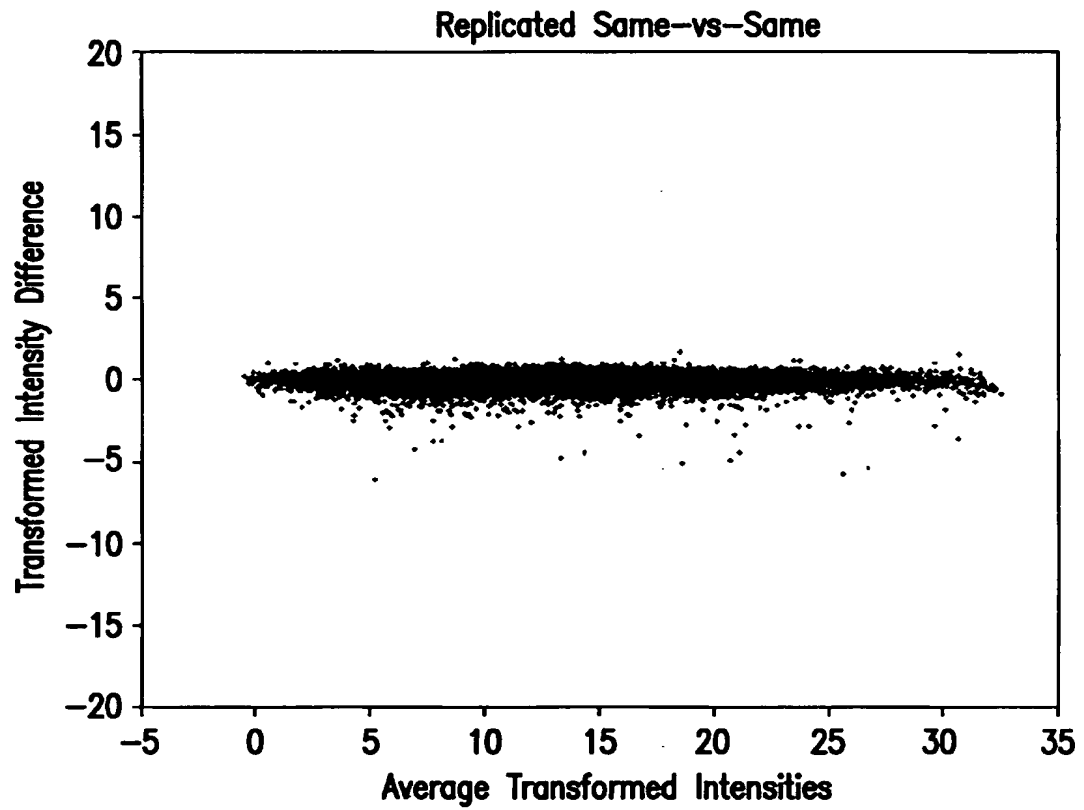


FIG.5

Replacement Sheet

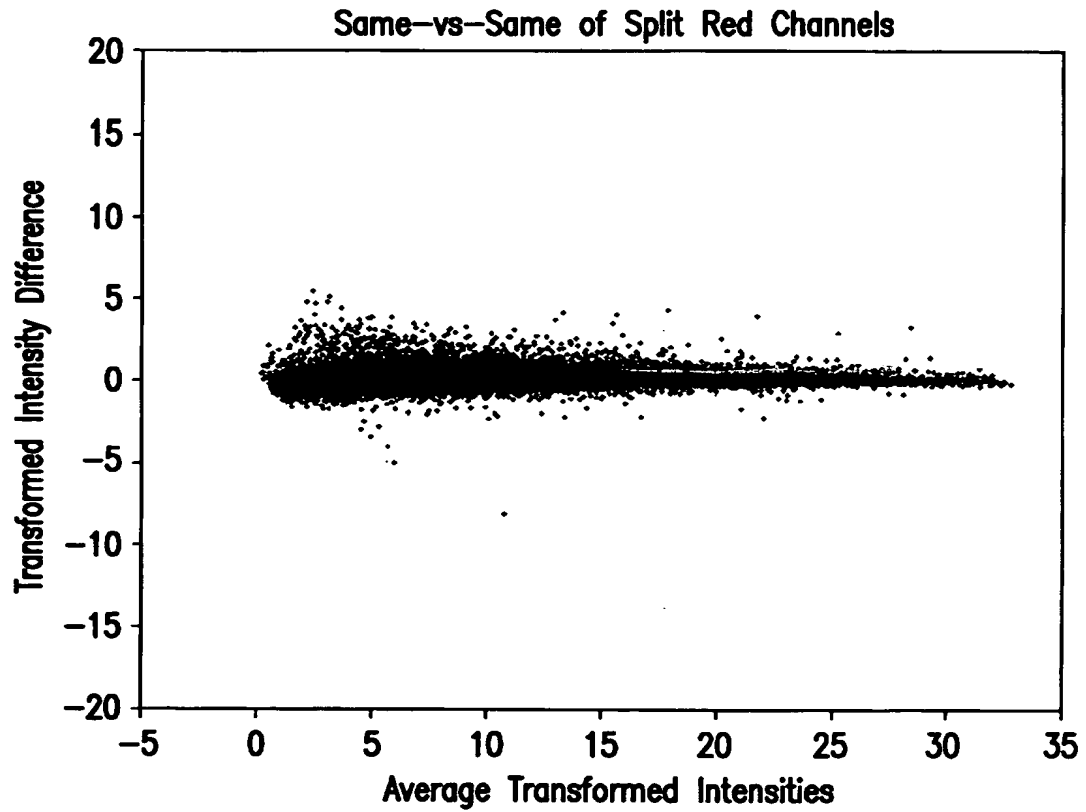


FIG.6

Replacement Sheet

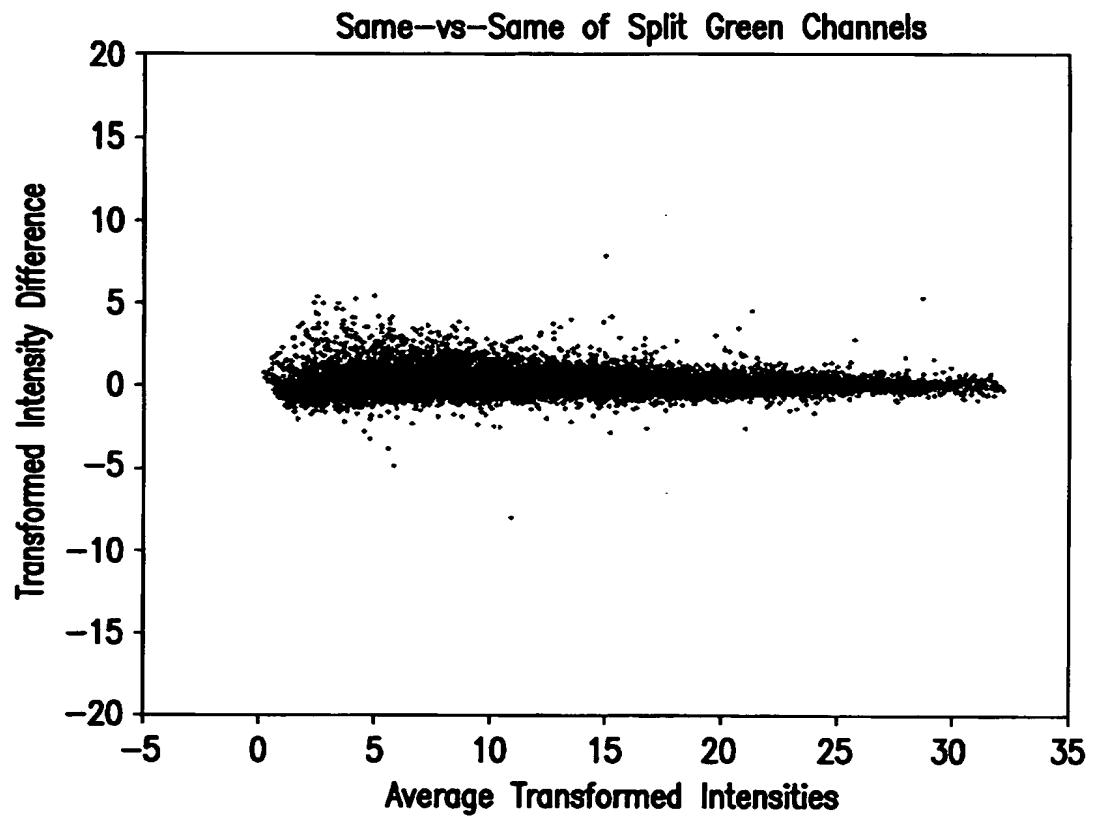


FIG.7

Replacement Sheet

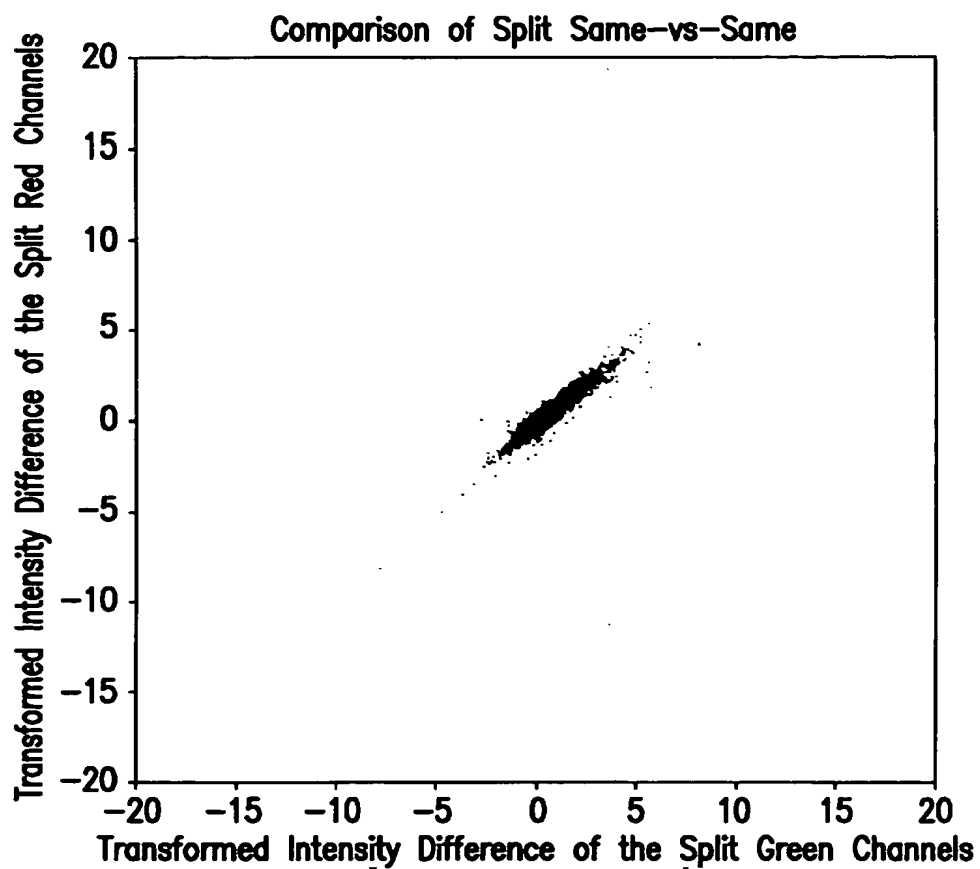


FIG.8

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Replacement Sheet

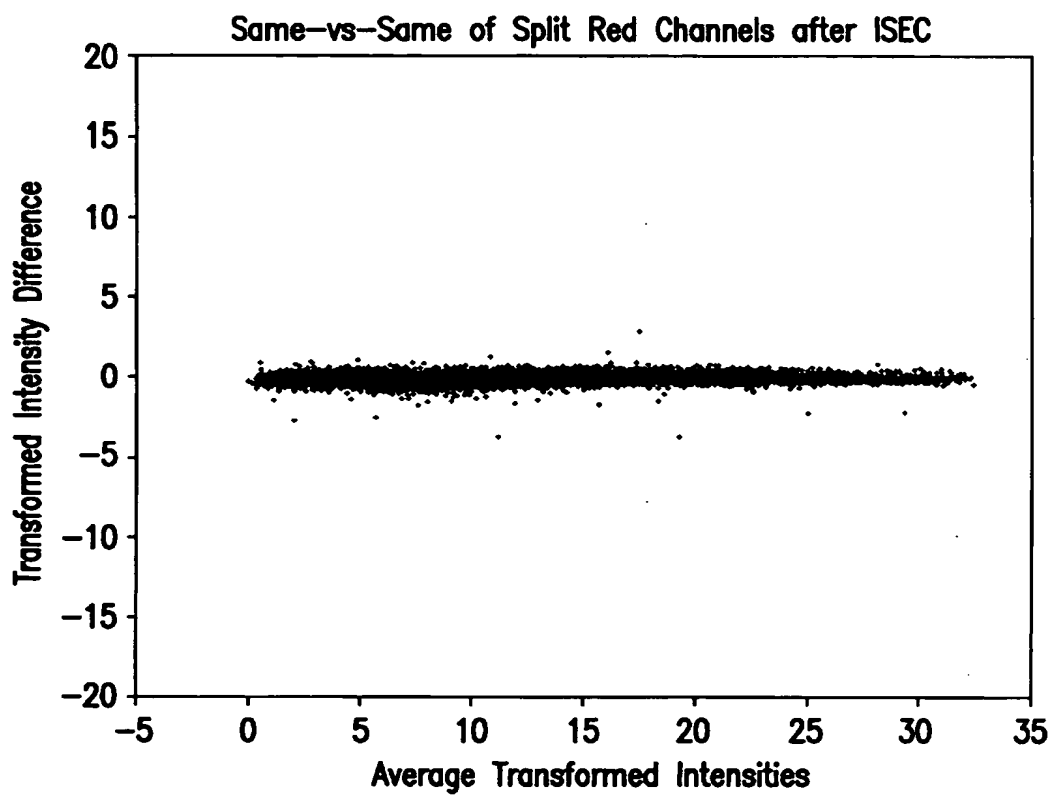


FIG.9

Replacement Sheet

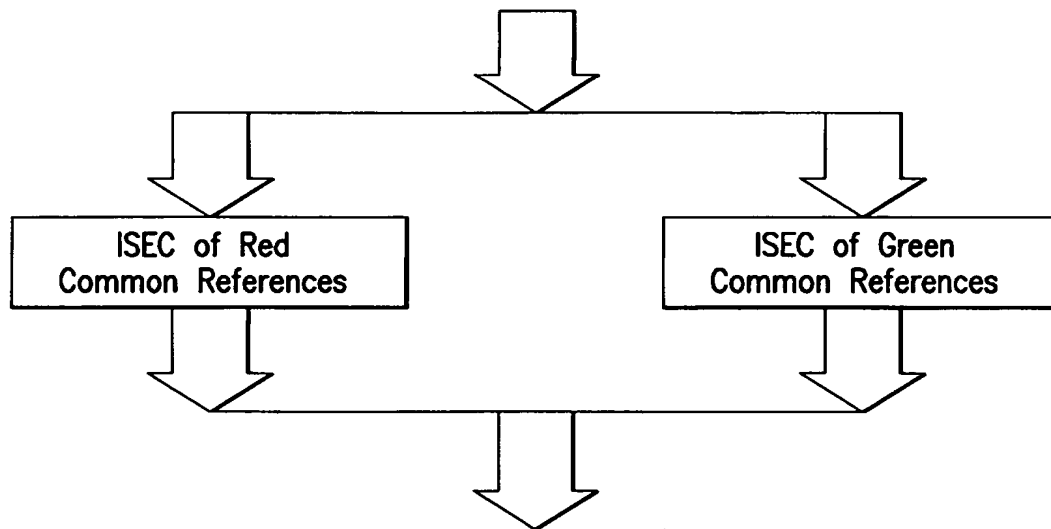


FIG.10

Replacement Sheet

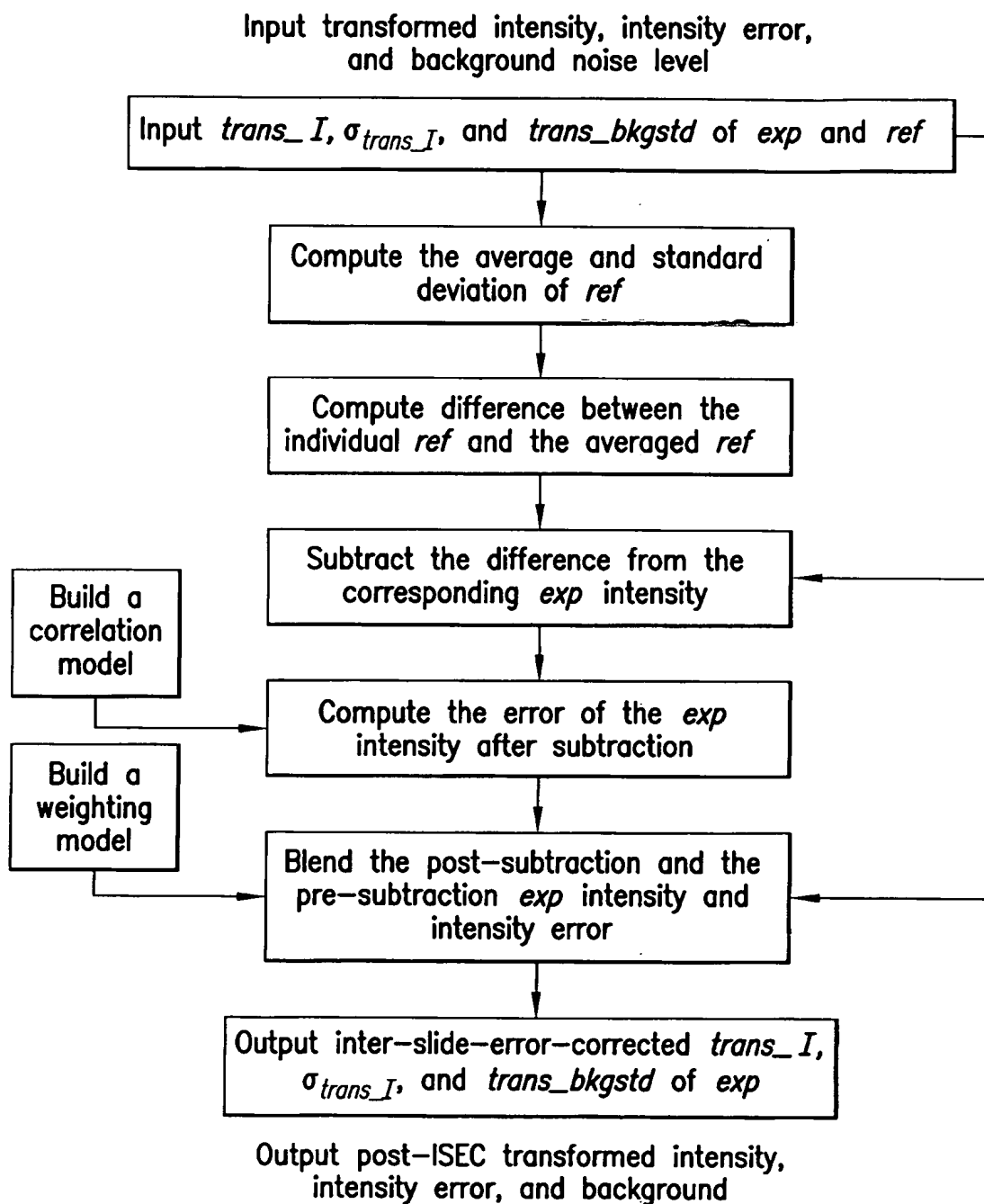


FIG.11

Replacement Sheet

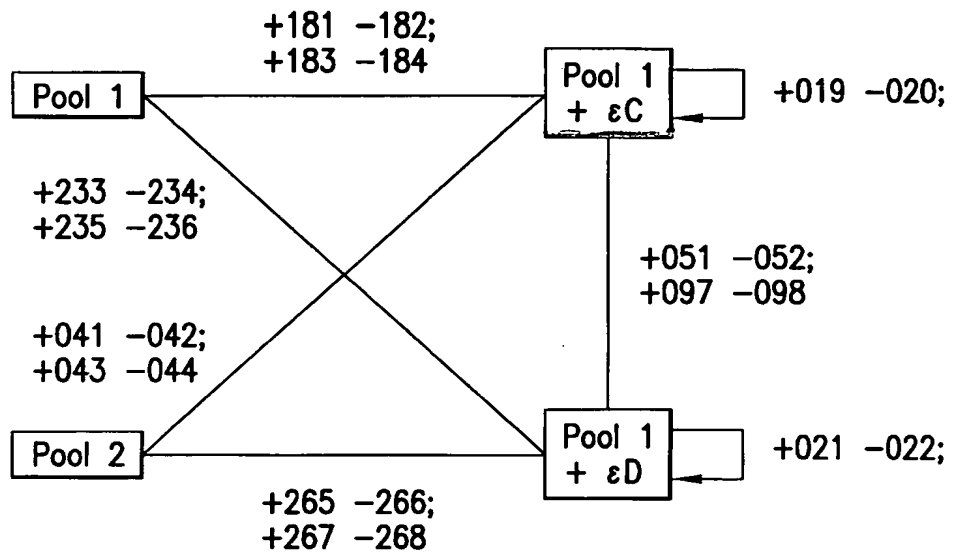


FIG.12

Replacement Sheet

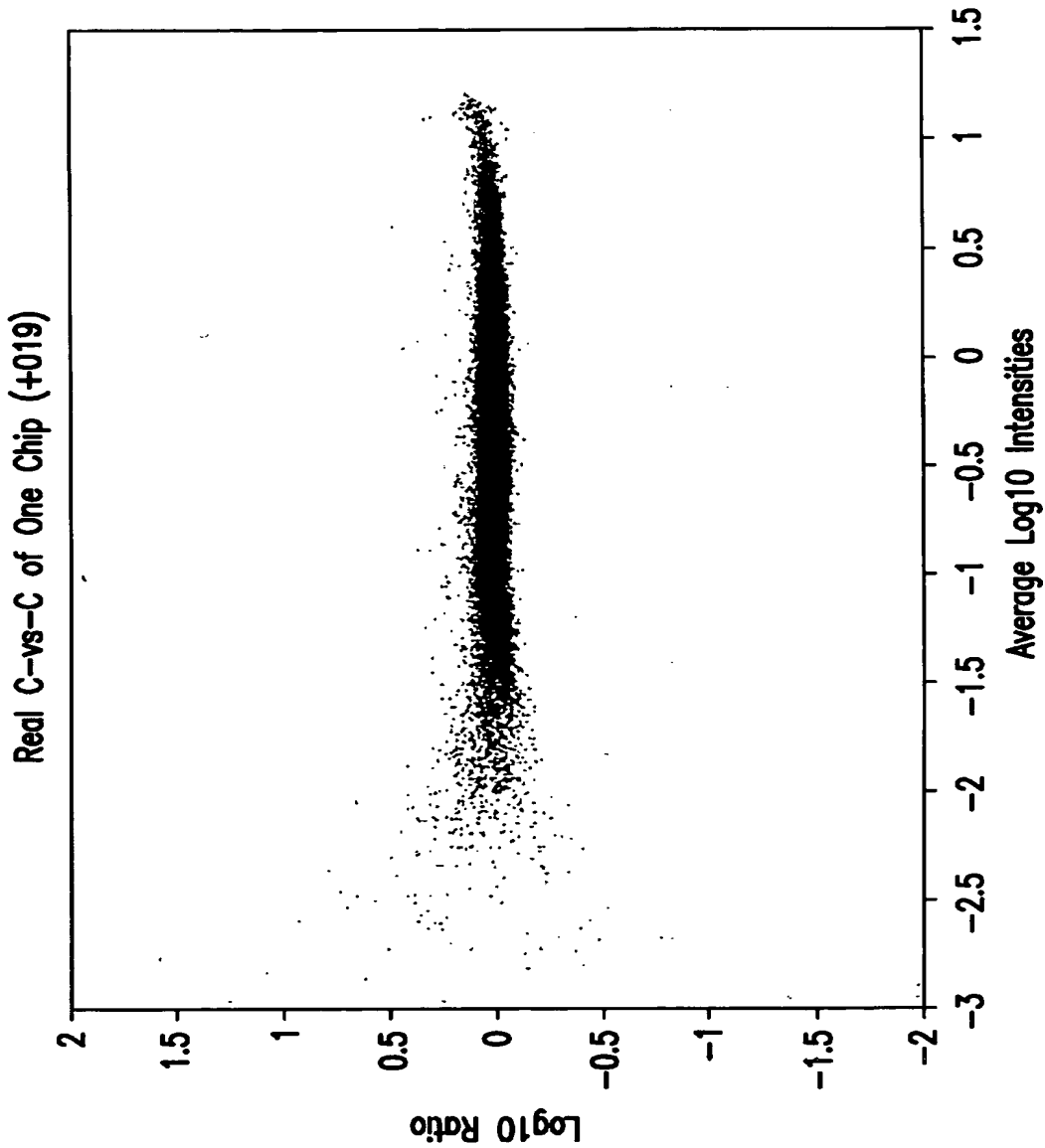


FIG.13

Replacement Sheet

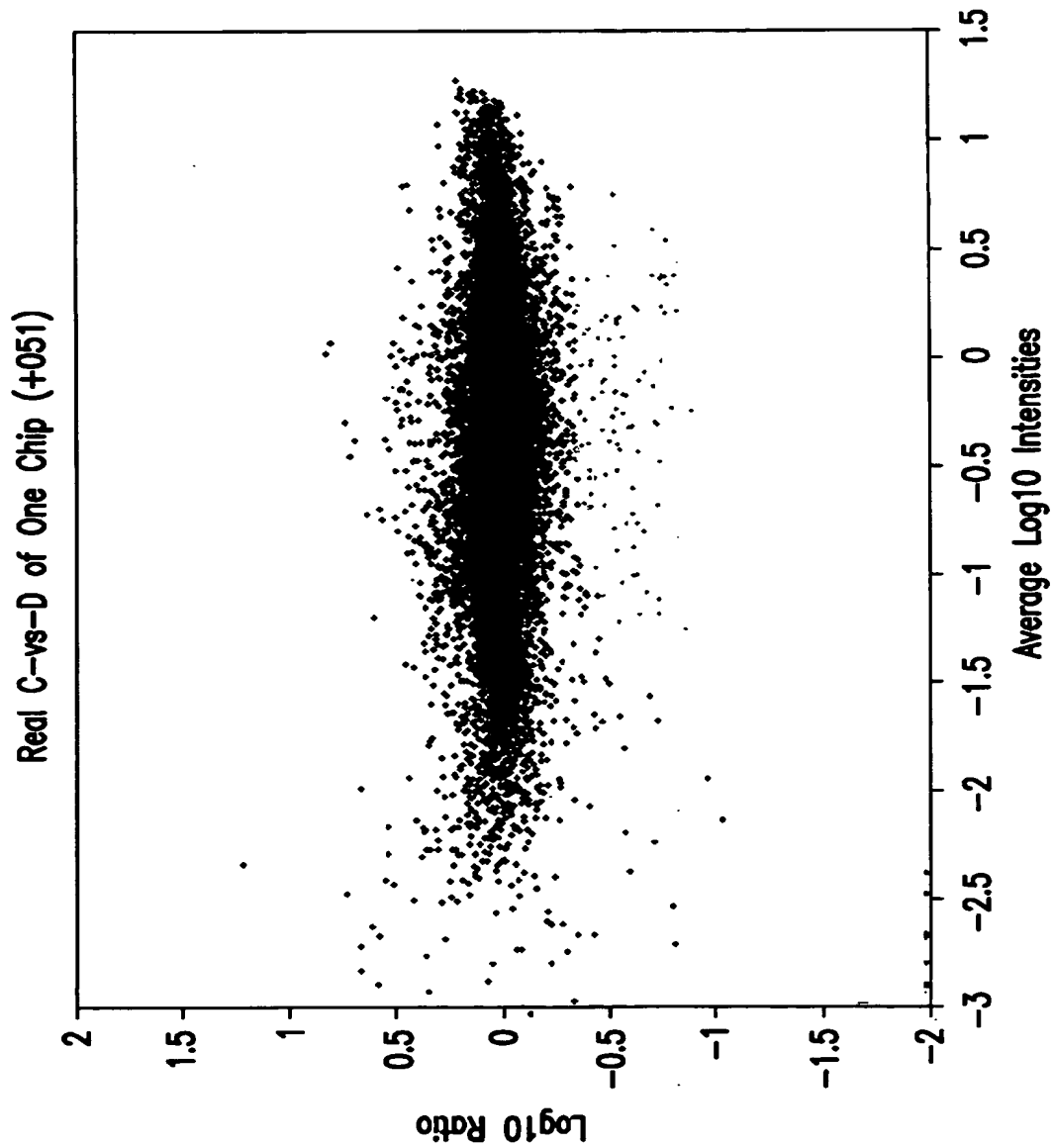


FIG.14

Replacement Sheet

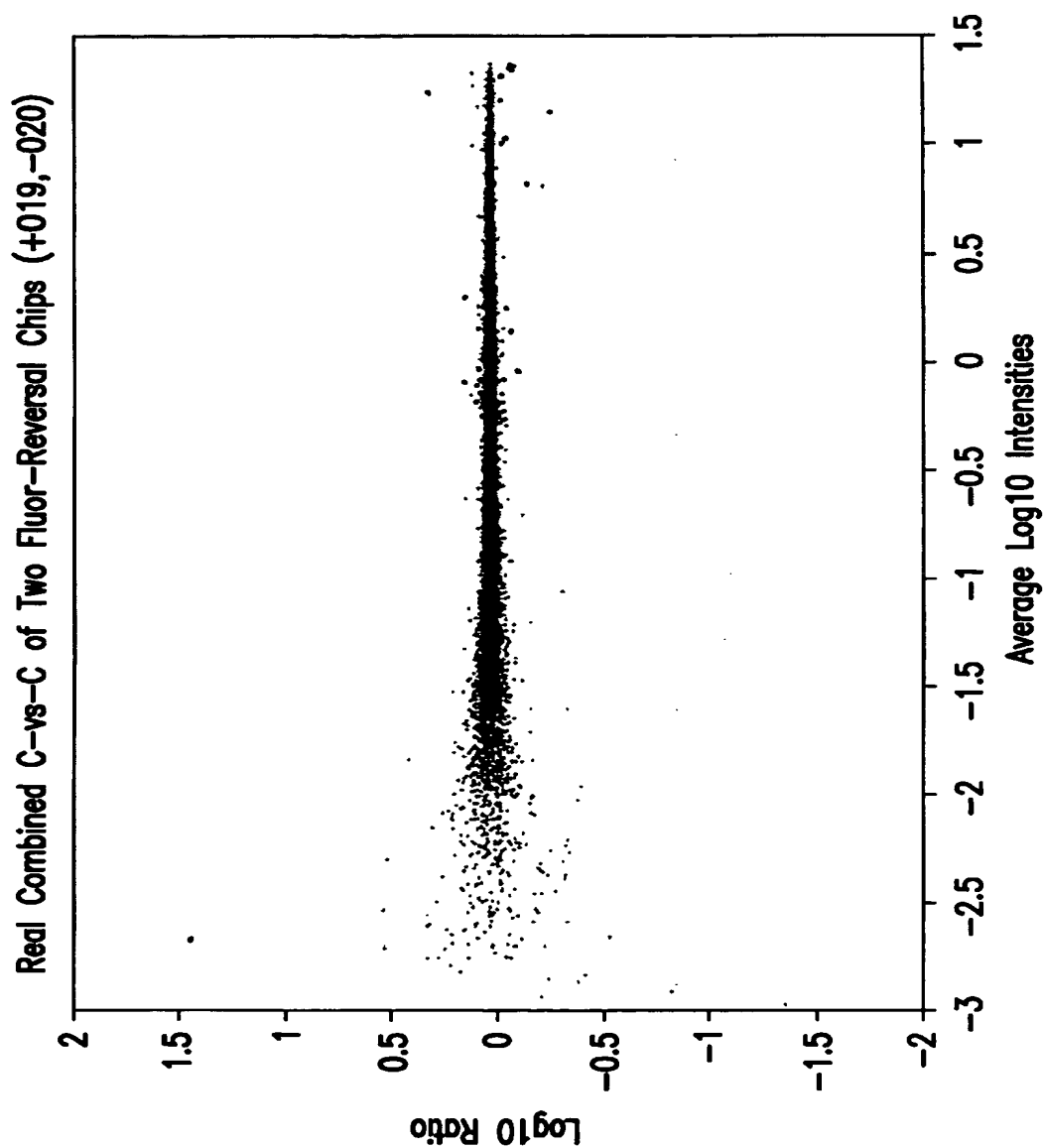


FIG.15

Replacement Sheet

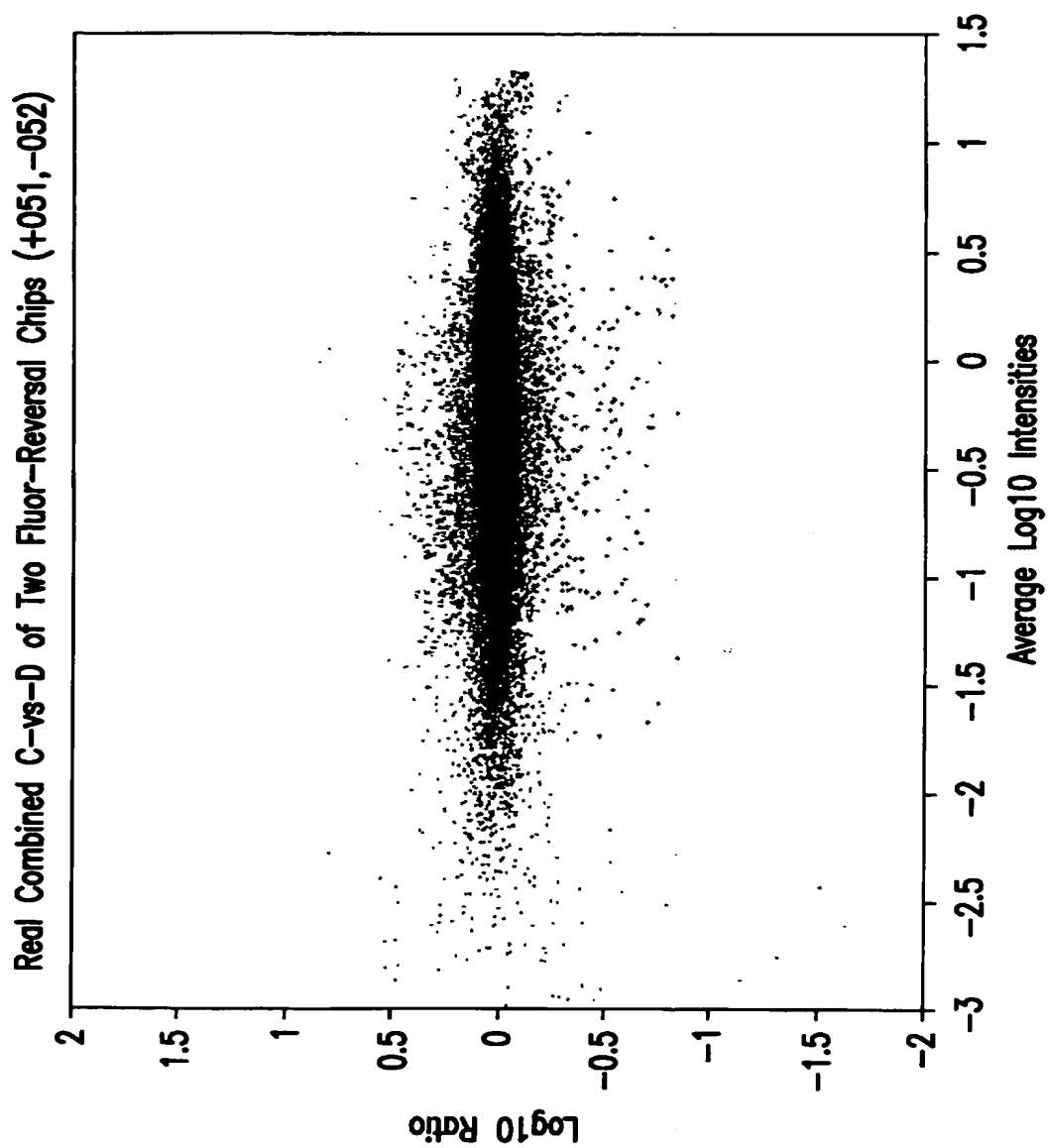
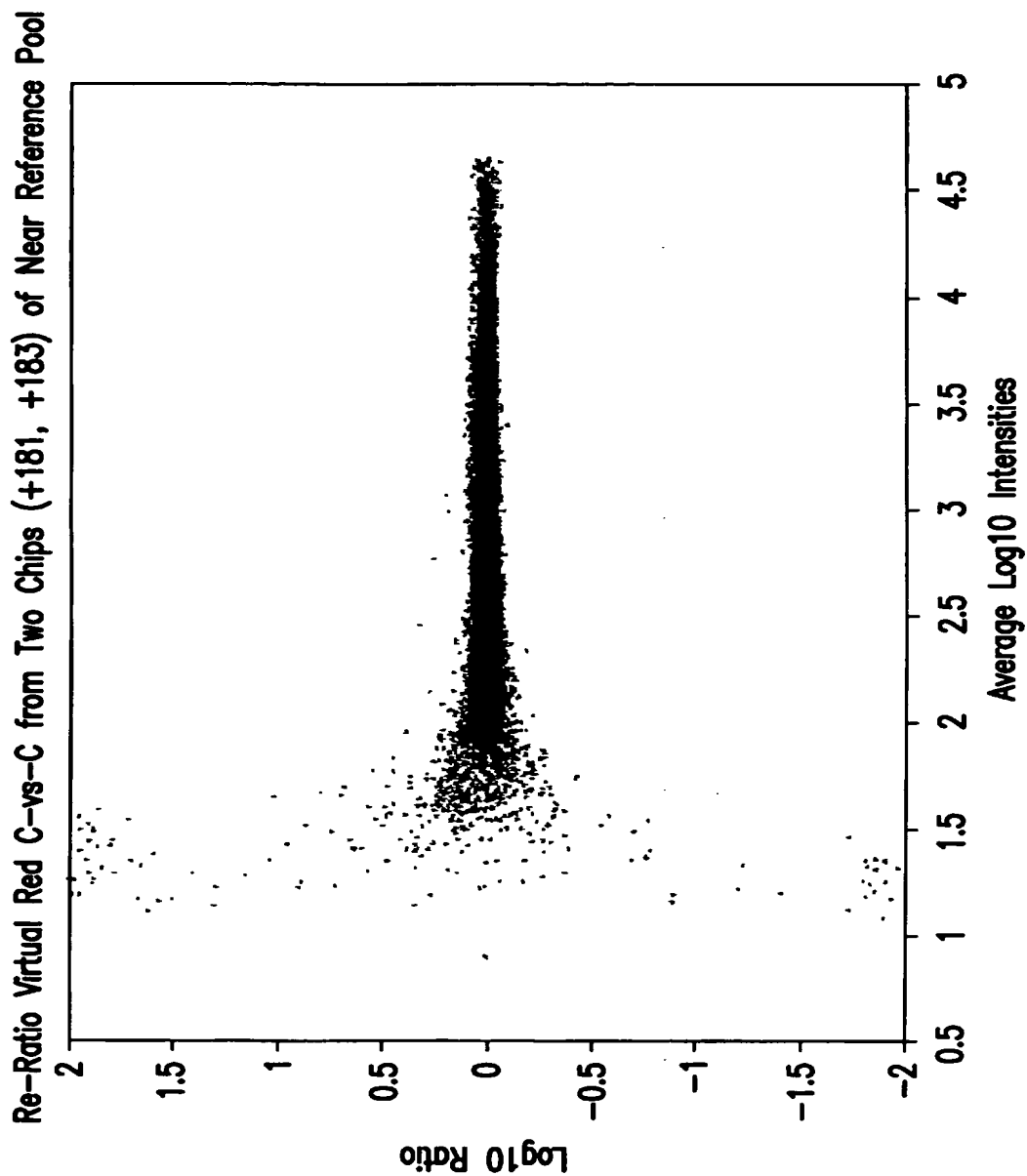


FIG.16

Replacement Sheet



Replacement Sheet

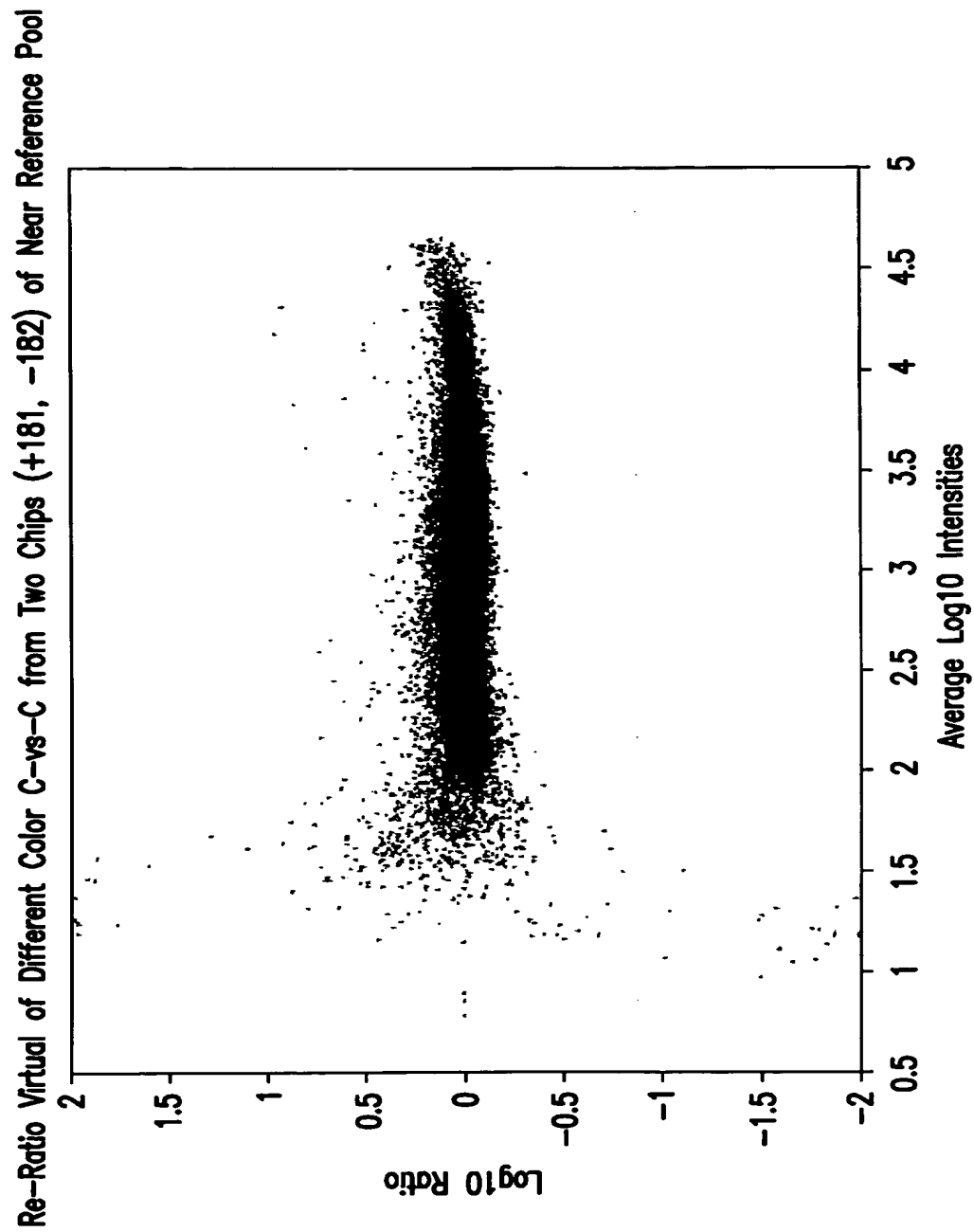


FIG.18

Replacement Sheet

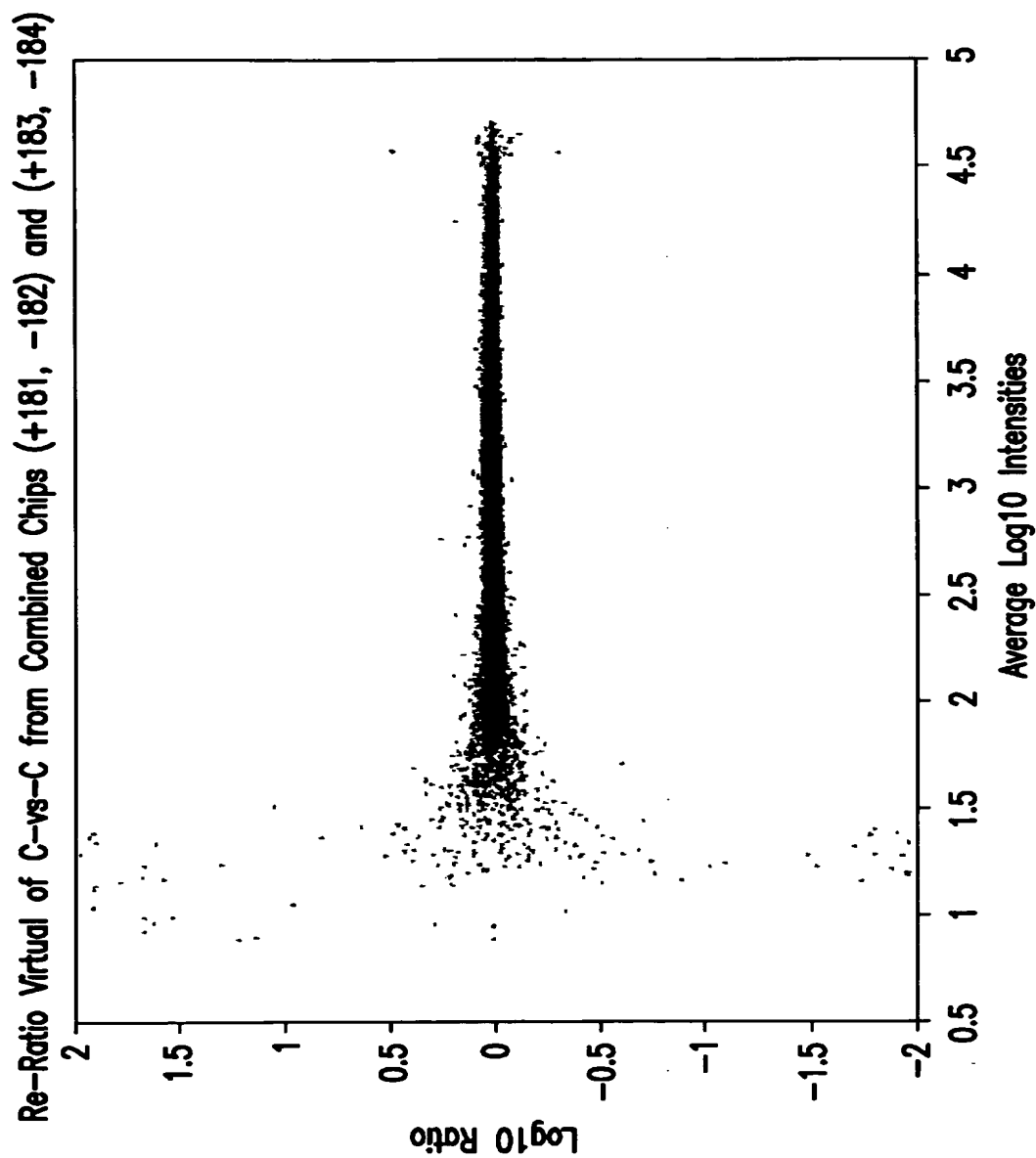


FIG.19

Replacement Sheet

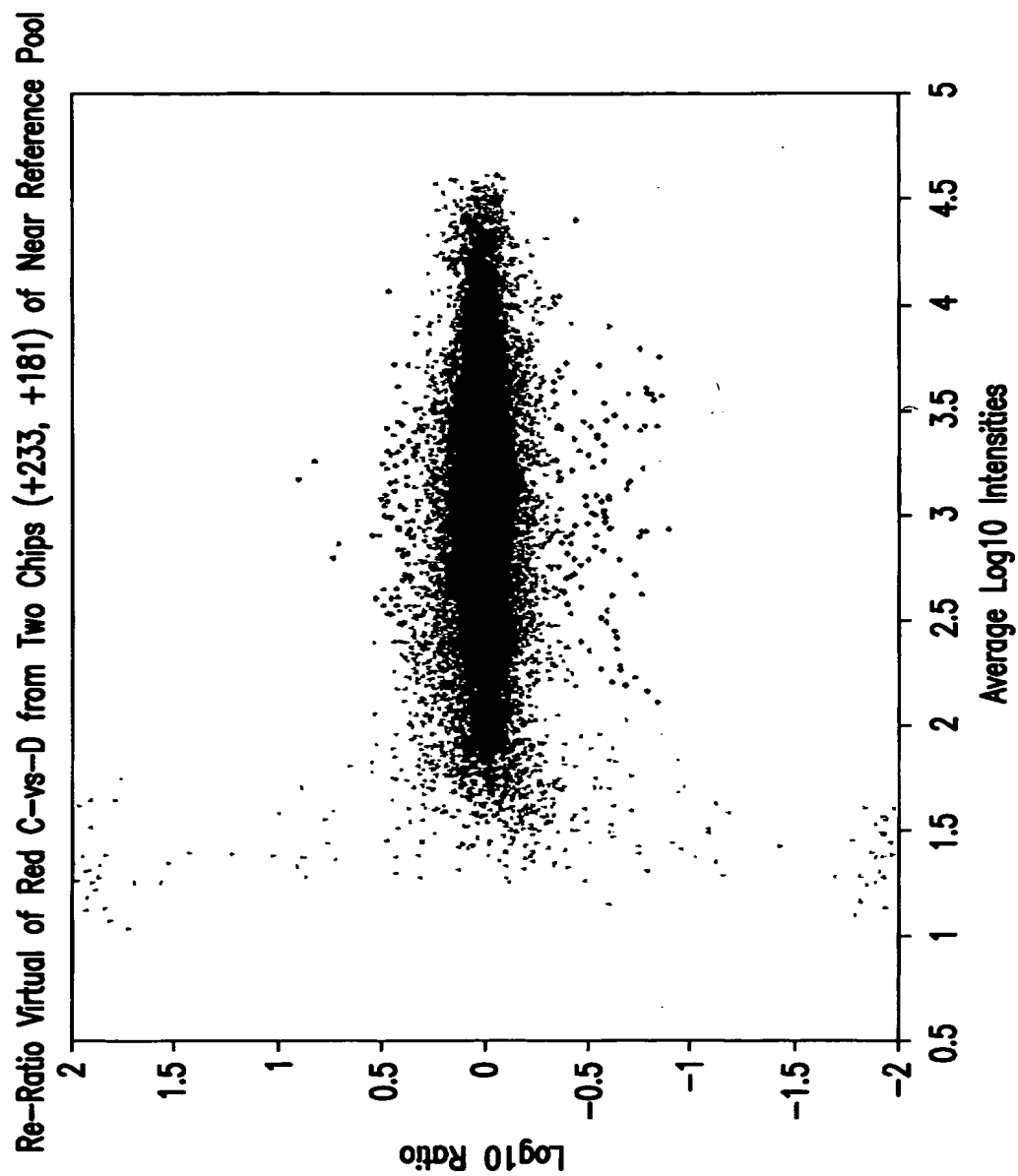


FIG.20

Replacement Sheet

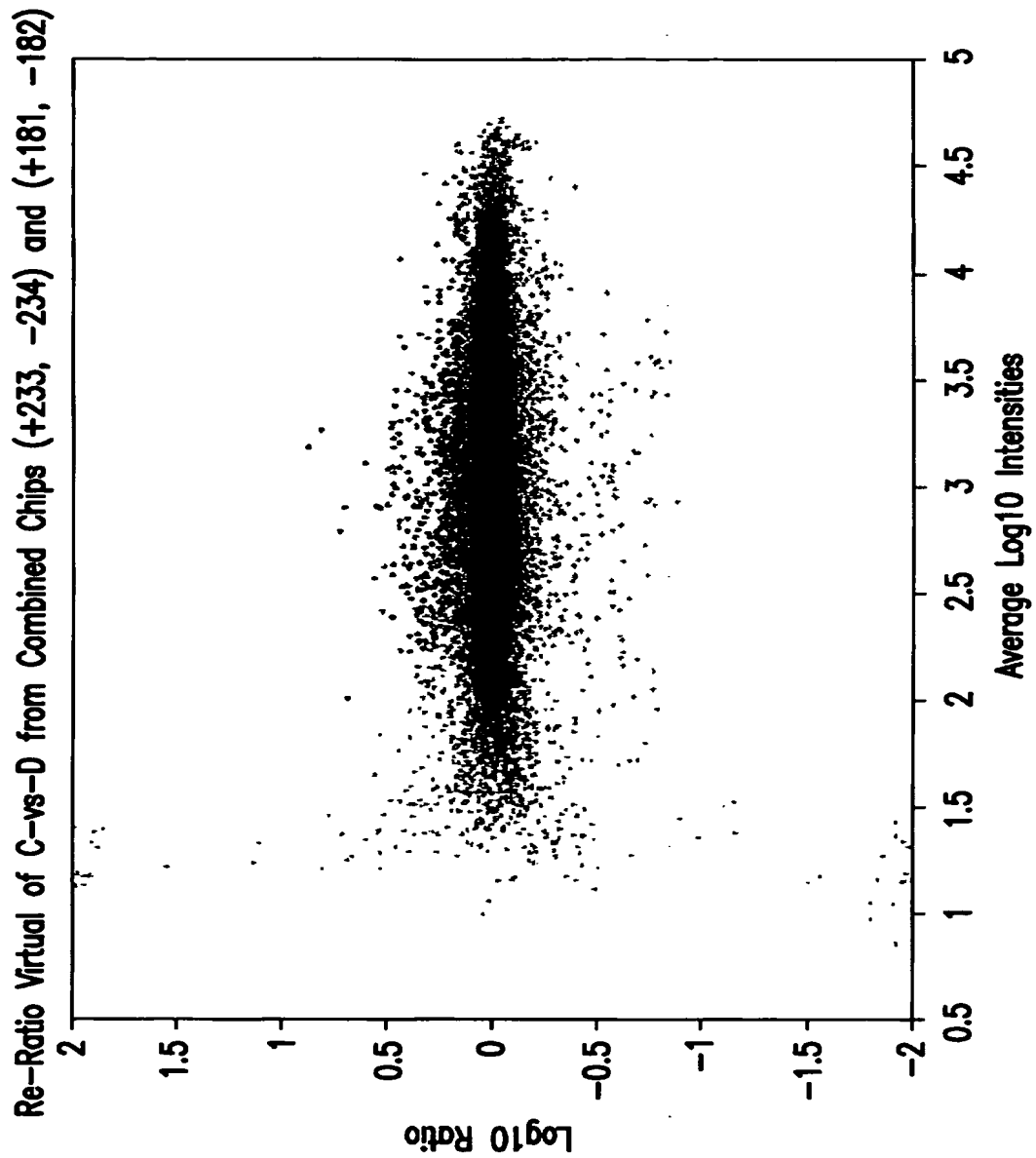
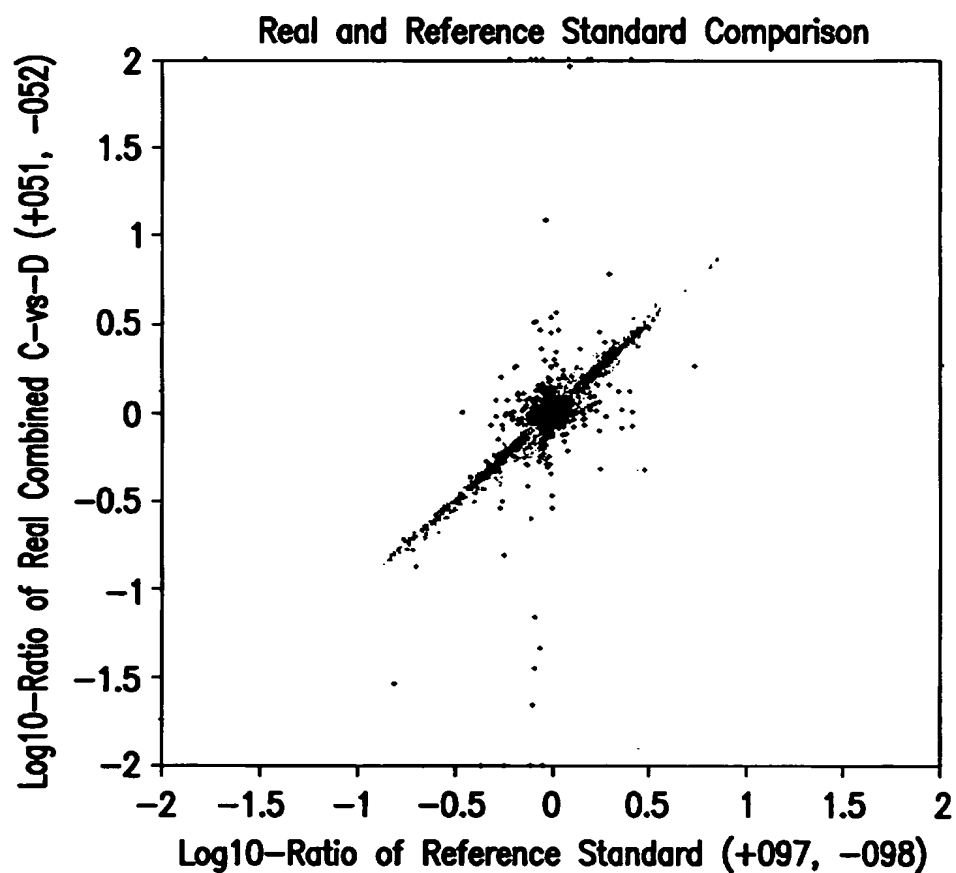


FIG.21

Replacement Sheet

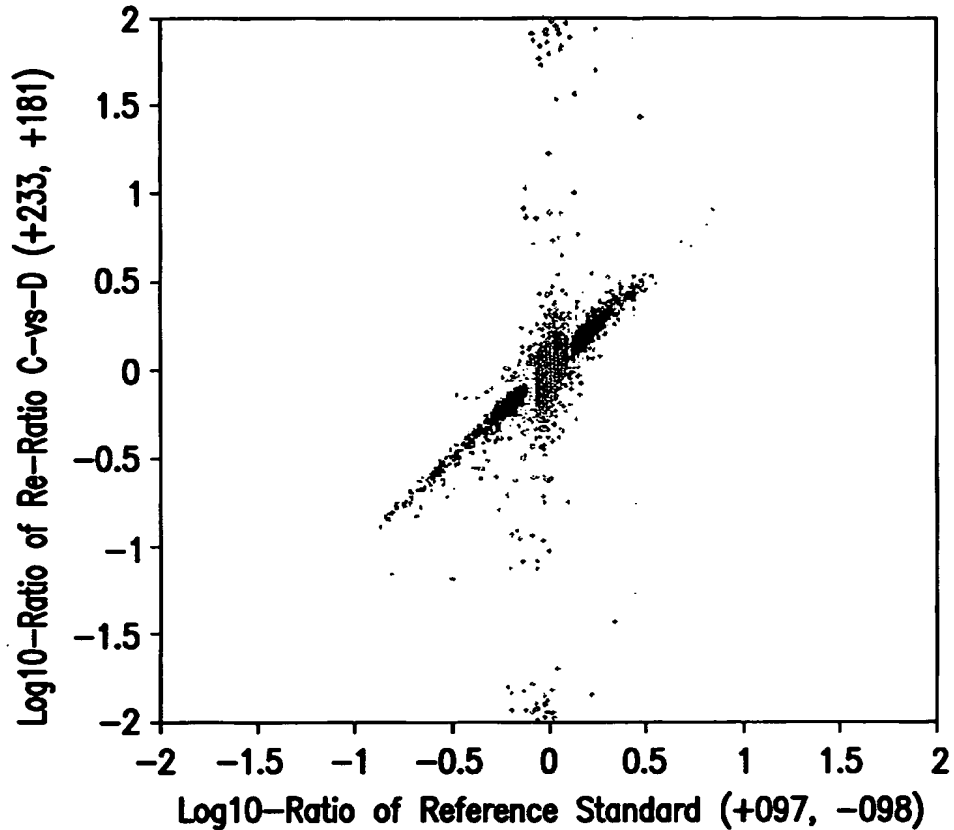


Y Signature = 6.3 percent
X Signature = 6.02 percent
Y Only = 0.738 percent
X Only = 0.458 percent
Signature in Both = 5.56 percent
Signature Union Correlation = 0.997

FIG.22

Replacement Sheet

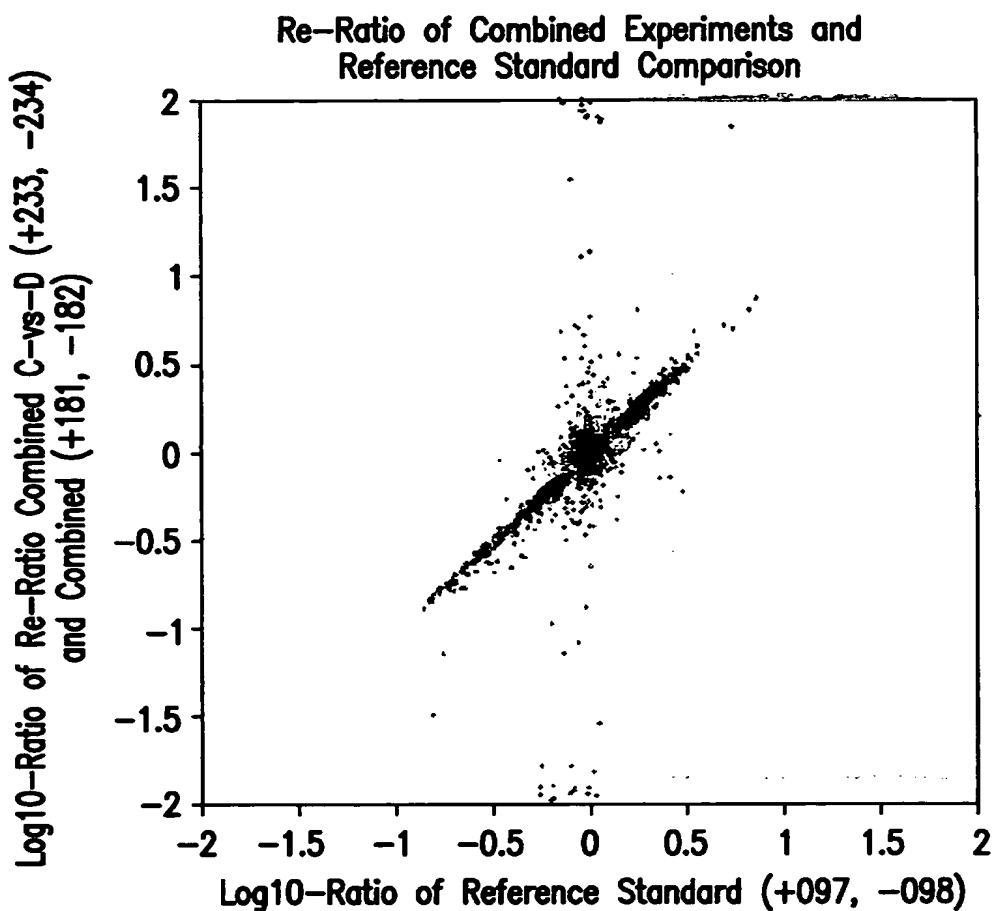
Re-Ratio without Combining and Reference Standard Comparison



Y Signature = 0.757 percent
X Signature = 6.02 percent
Y Only = 0.0233 percent
X Only = 5.29 percent
Signature in Both = 0.734 percent
Signature Union Correlation = 0.98

FIG.23

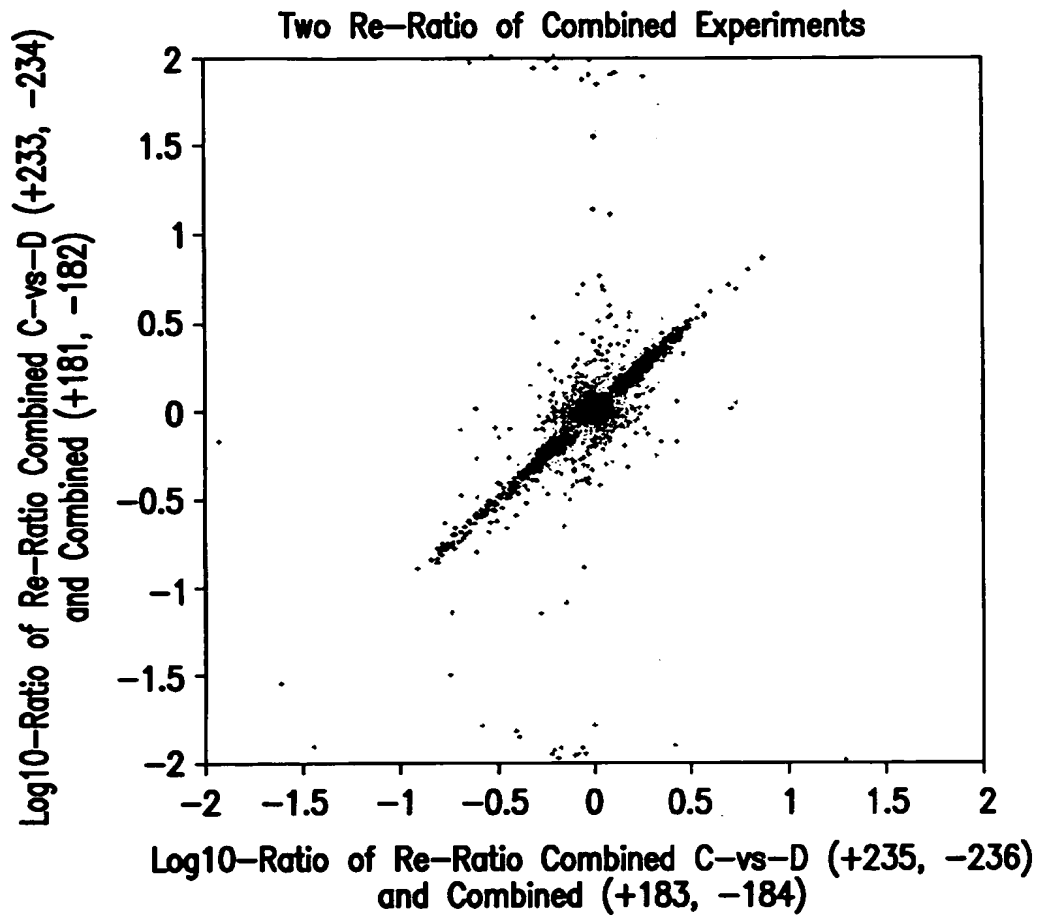
Replacement Sheet



Y Signature = 6.04 percent
X Signature = 6.02 percent
Y Only = 0.78 percent
X Only = 0.765 percent
Signature in Both = 5.26 percent
Signature Union Correlation = 0.994

FIG.24

Replacement Sheet



Y Signature = 6.04 percent

X Signature = 6.18 percent

Y Only = 0.757 percent

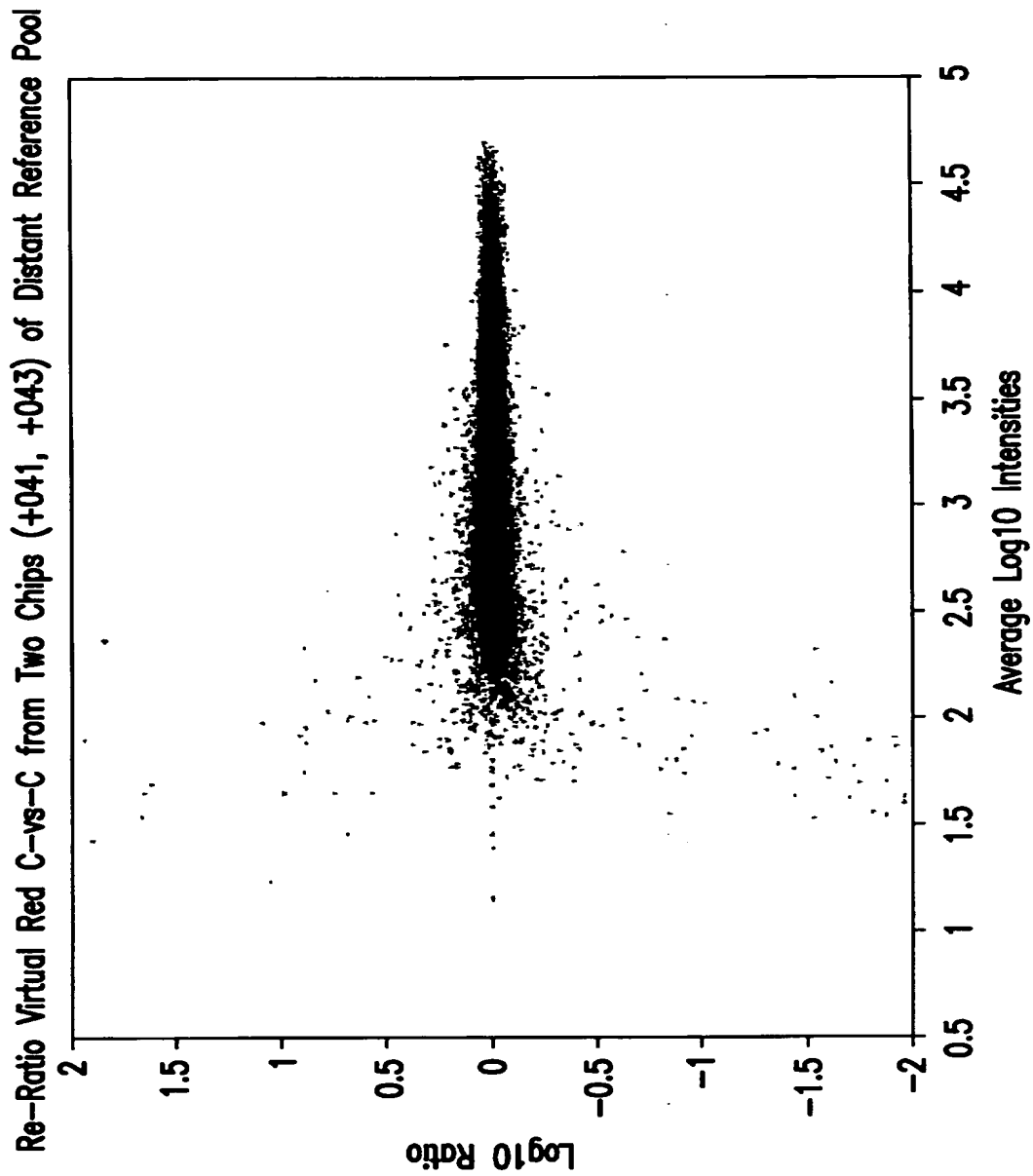
X Only = 0.901 percent

Signature in Both = 5.28 percent

Signature Union Correlation = 0.995

FIG.25

Replacement Sheet



Replacement Sheet

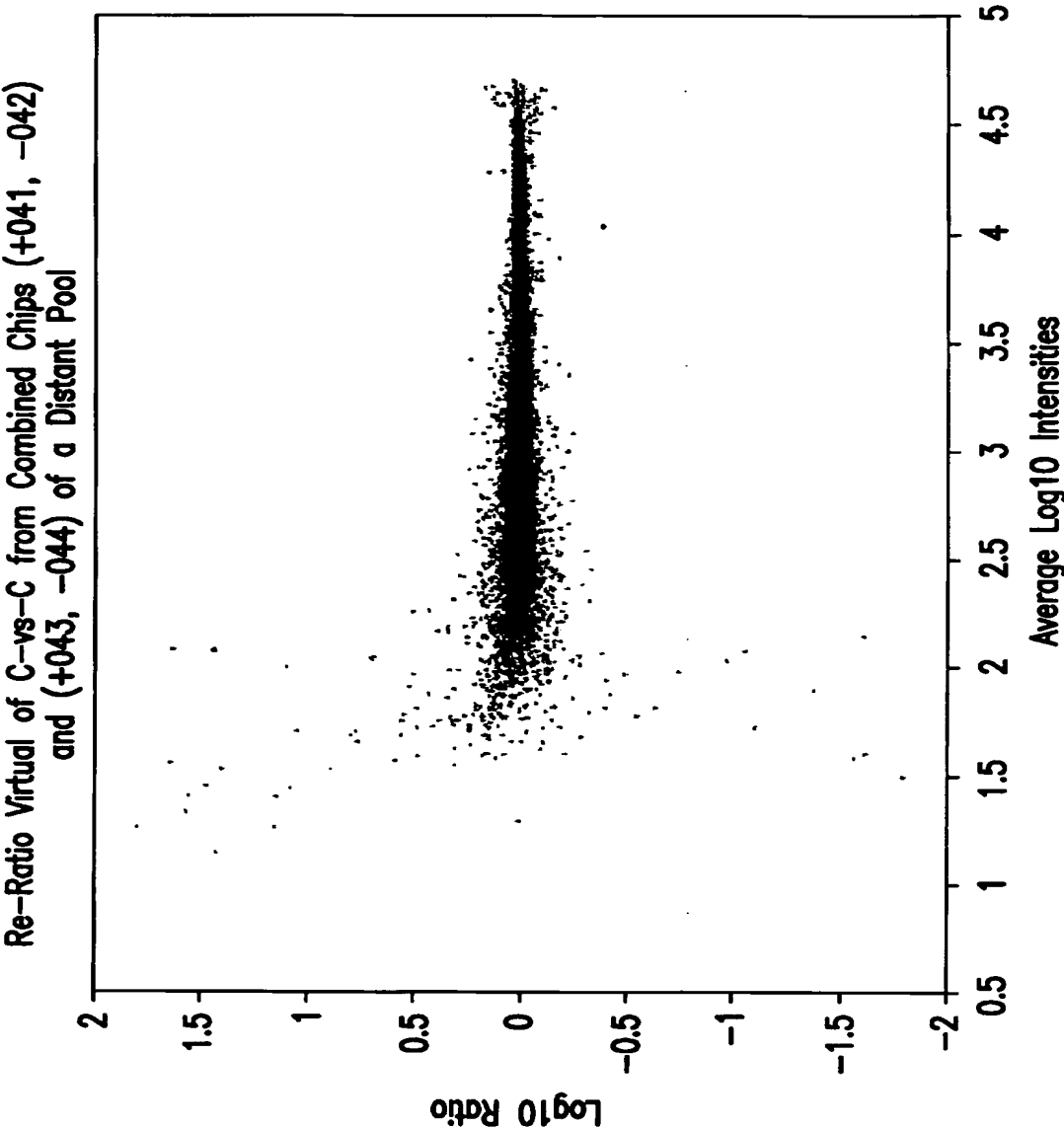
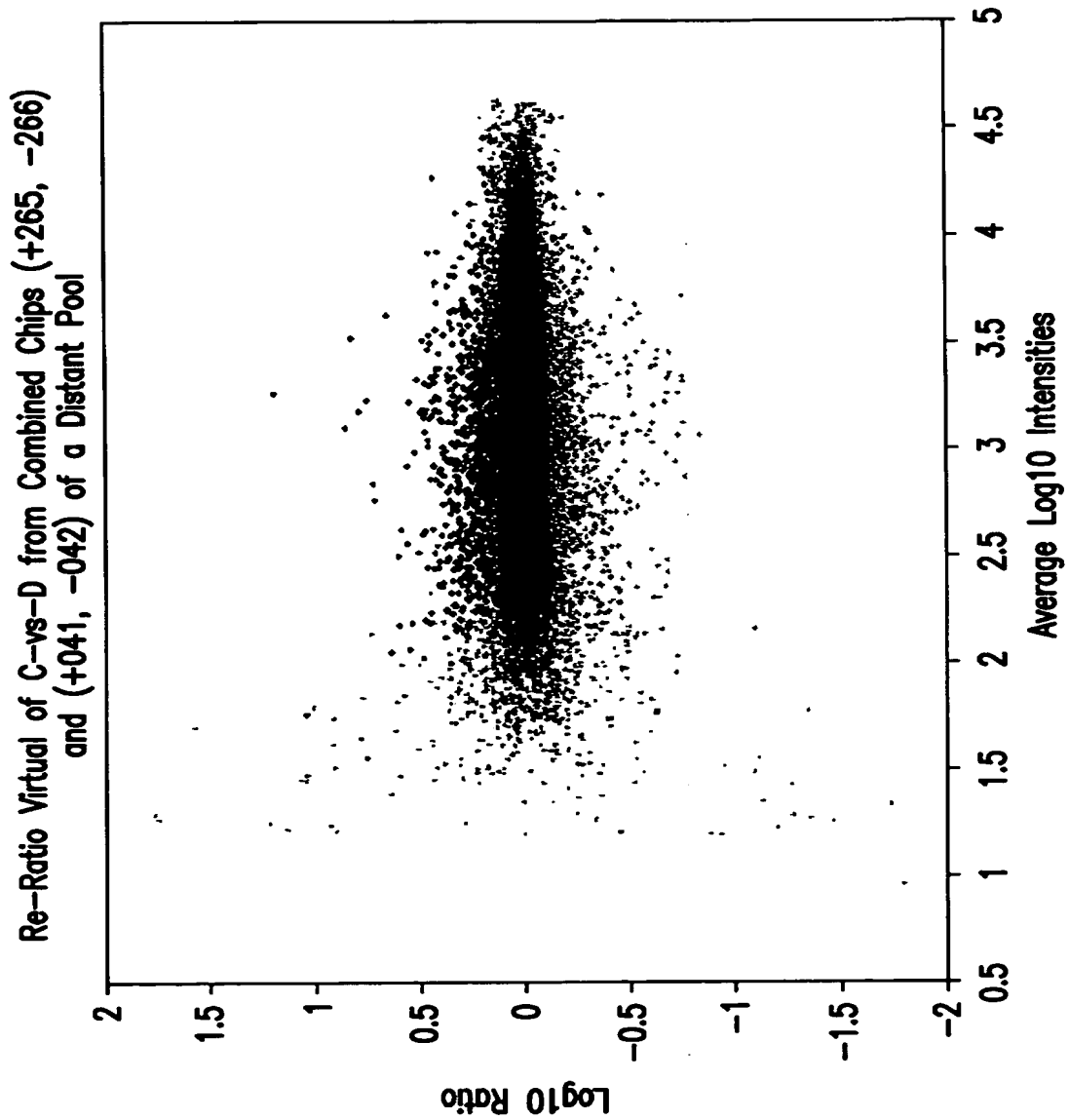
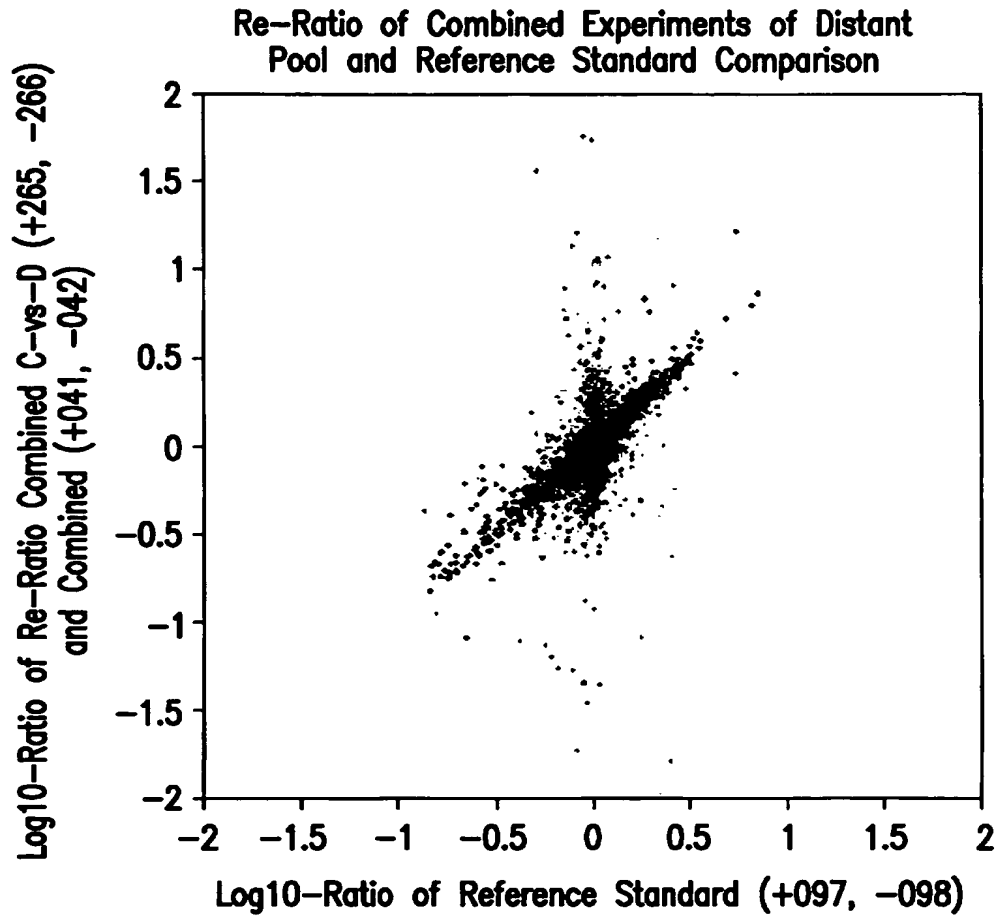


FIG.27

Replacement Sheet



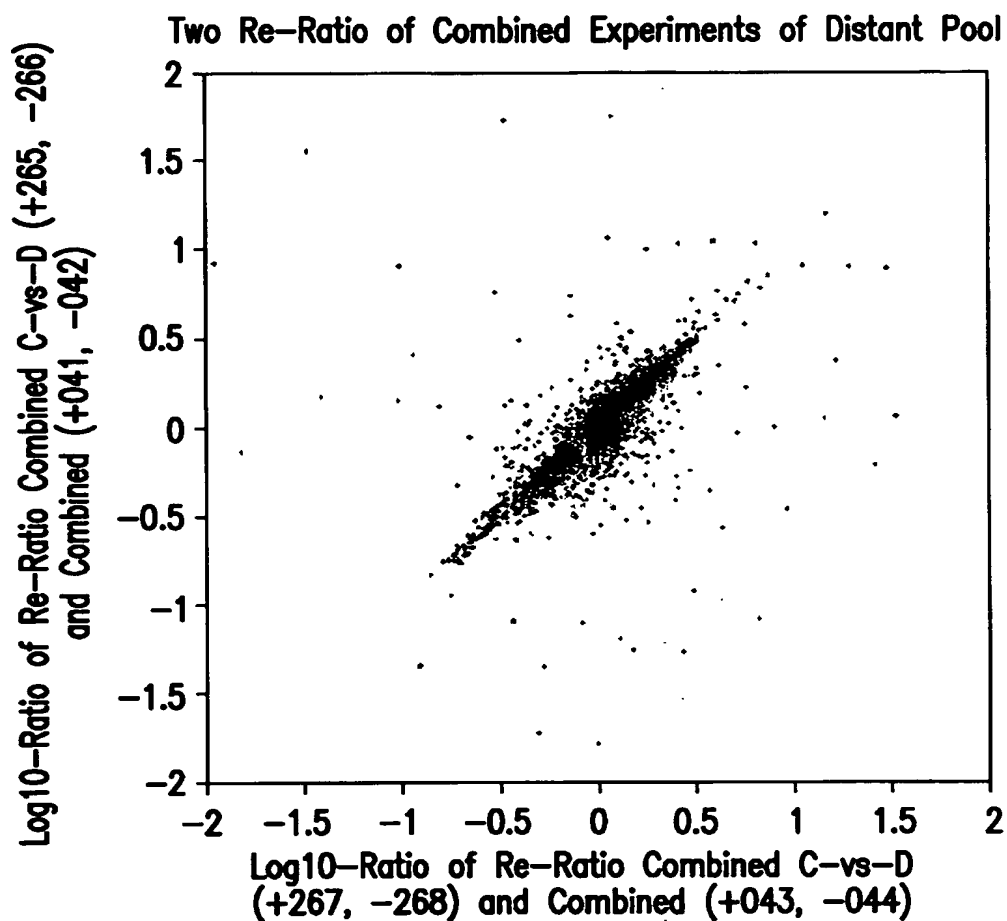
Replacement Sheet



Y Signature = 6.23 percent
X Signature = 6.02 percent
Y Only = 1.78 percent
X Only = 1.57 percent
Signature in Both = 4.45 percent
Signature Union Correlation = 0.892

FIG.29

Replacement Sheet



Y Signature = 6.23 percent

X Signature = 5.43 percent

Y Only = 1.53 percent

X Only = 0.73 percent

Signature in Both = 4.7 percent

Signature Union Correlation = 0.962

FIG.30

Replacement Sheet

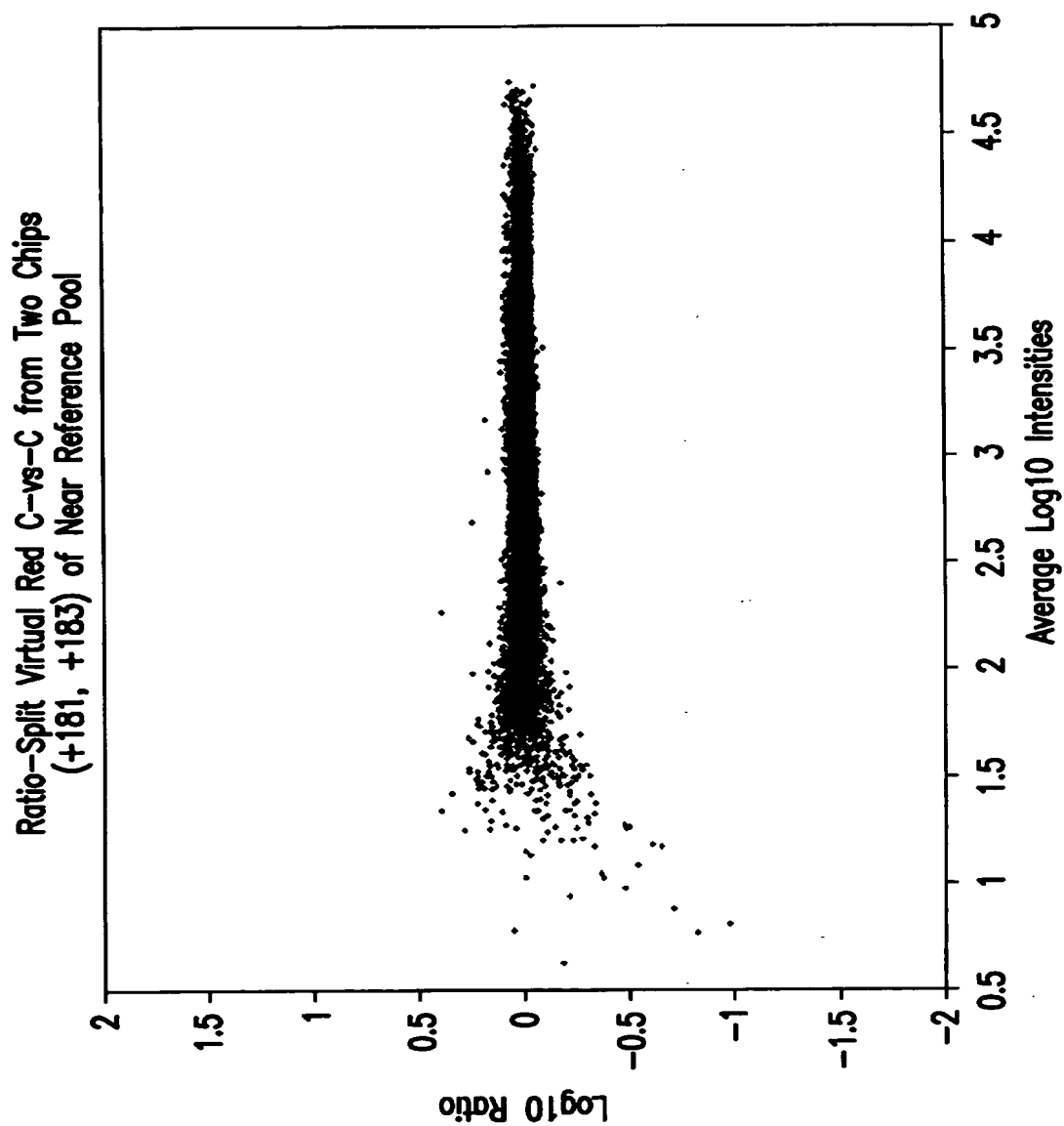


FIG.31

Replacement Sheet

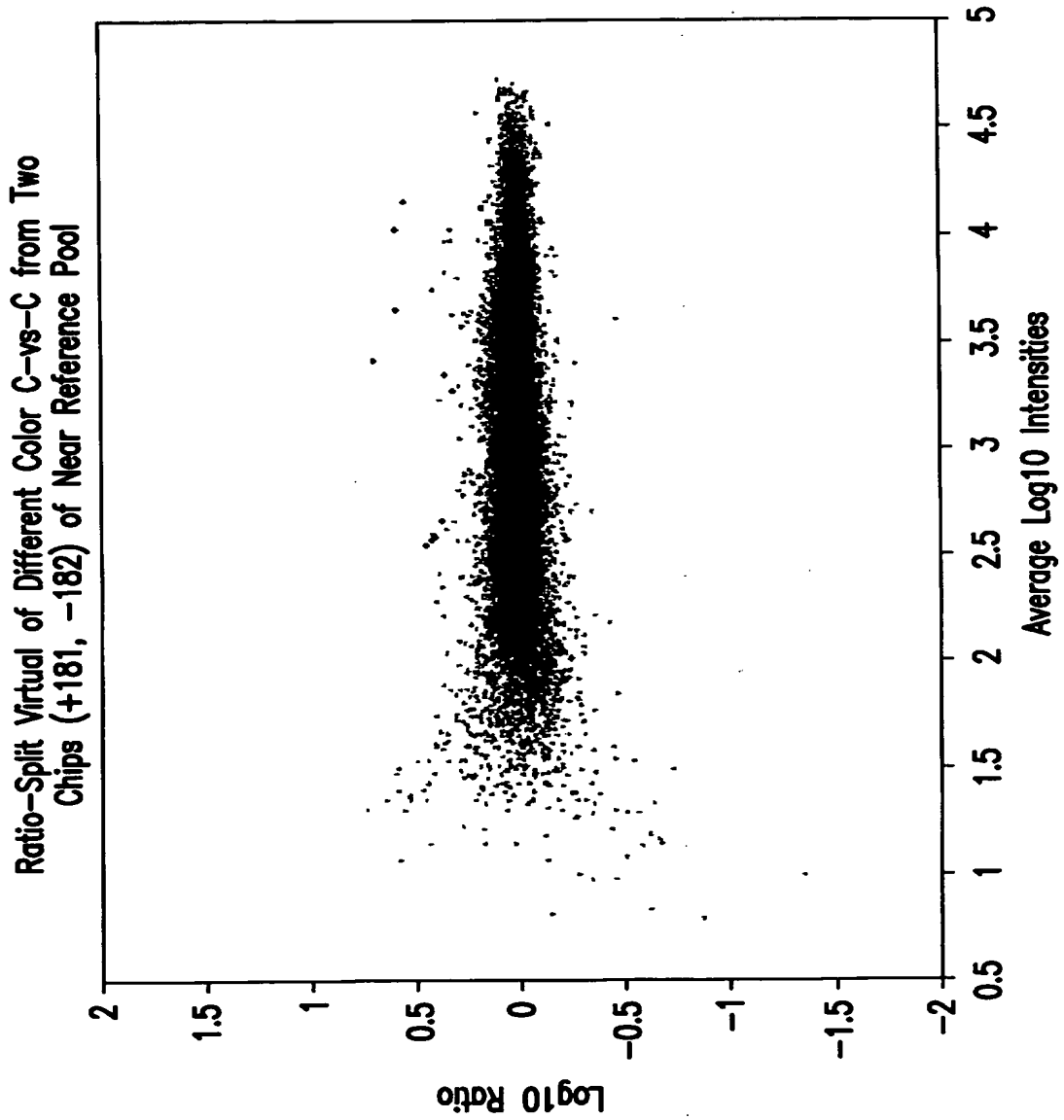


FIG.32

Replacement Sheet

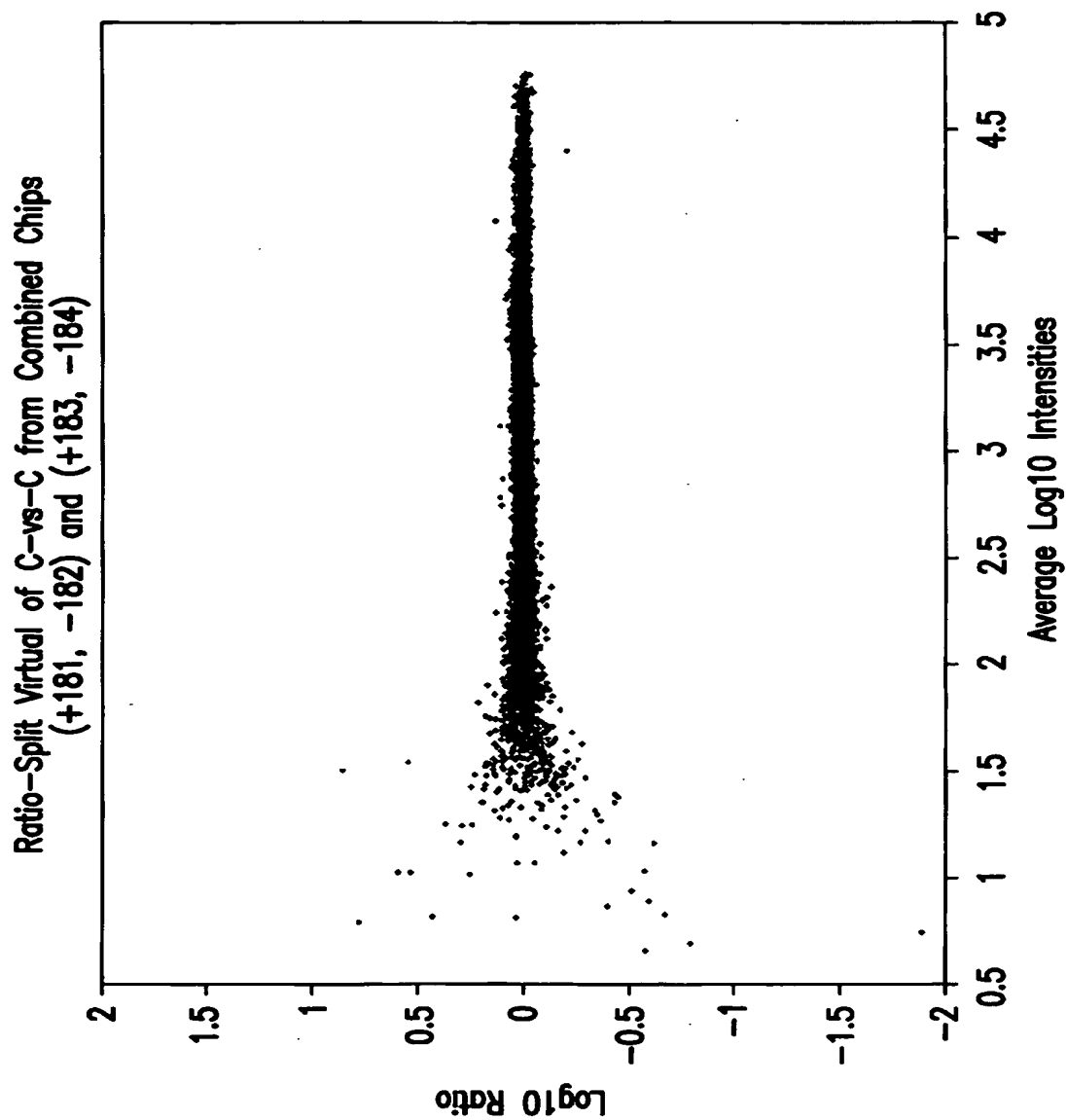


FIG.33

Replacement Sheet

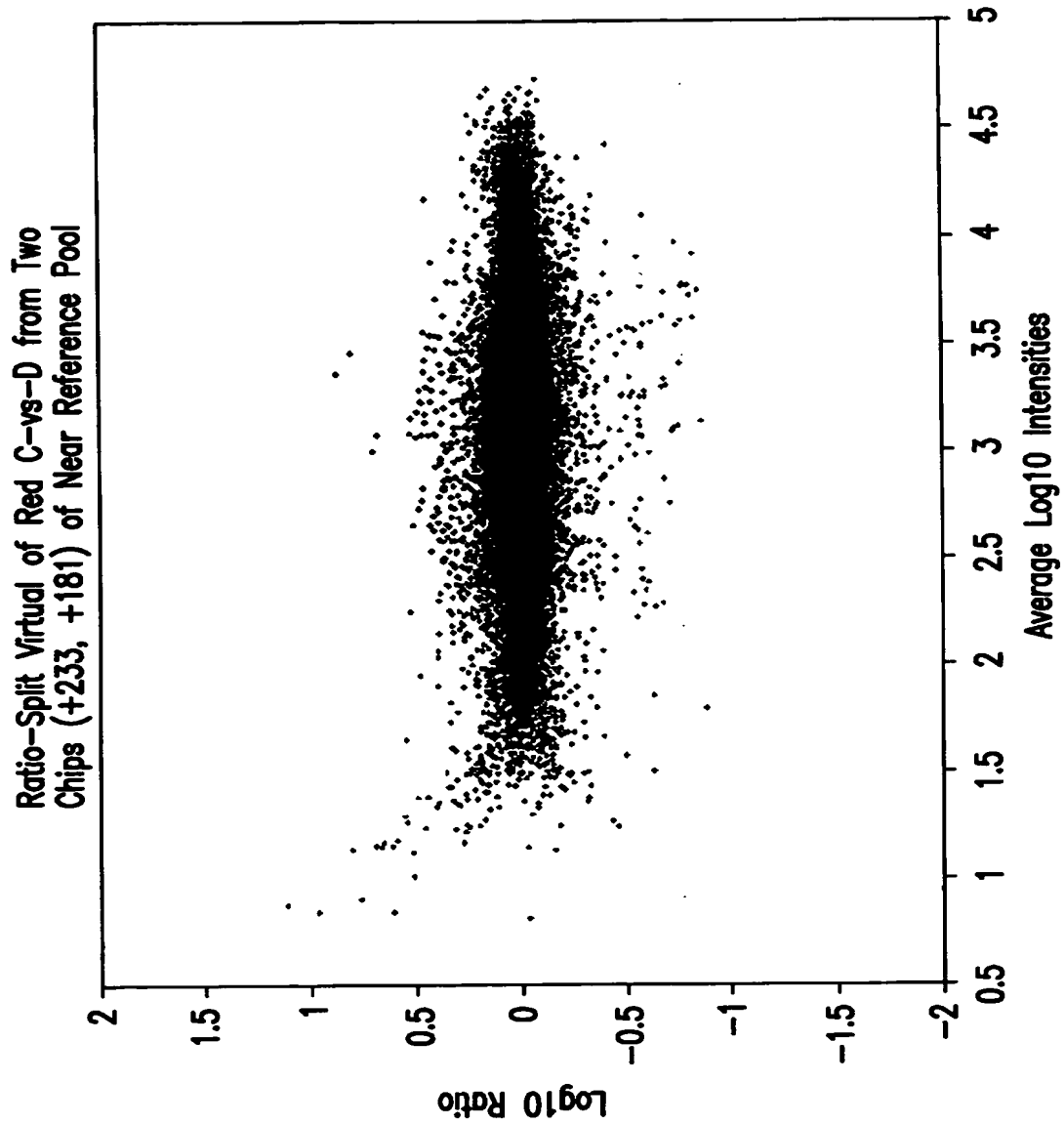


FIG.34

Replacement Sheet

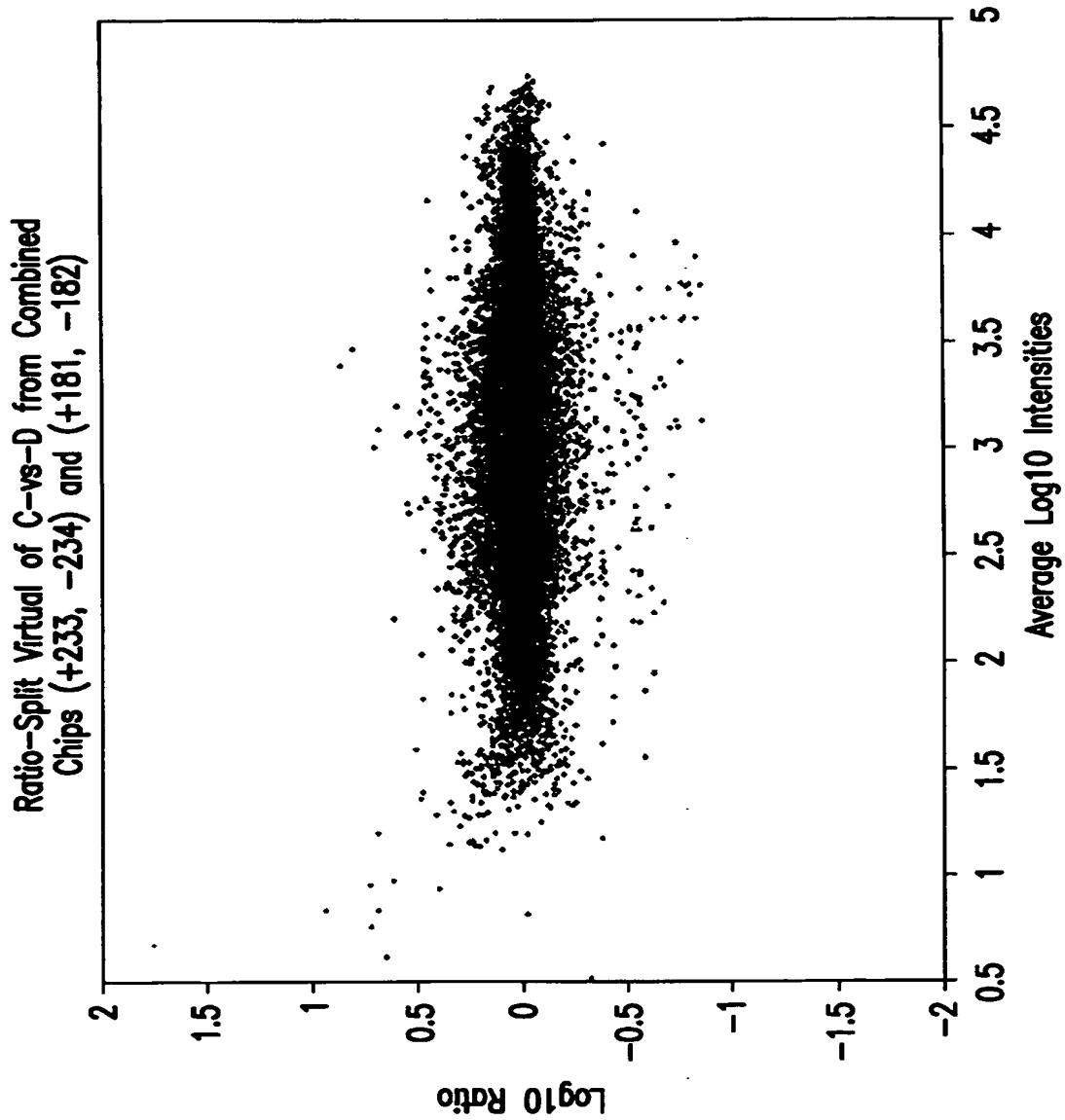
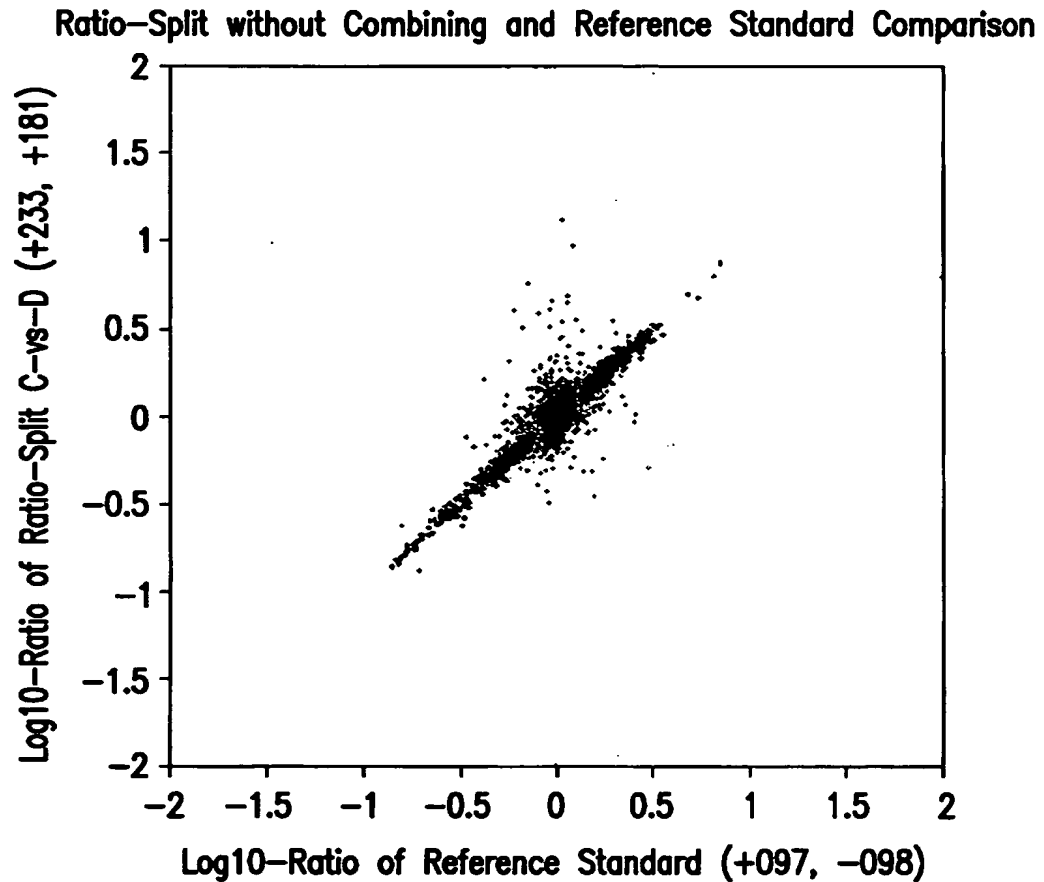


FIG.35

Replacement Sheet



Y Signature = 0.916 percent

X Signature = 6.02 percent

Y Only = 0.0311 percent

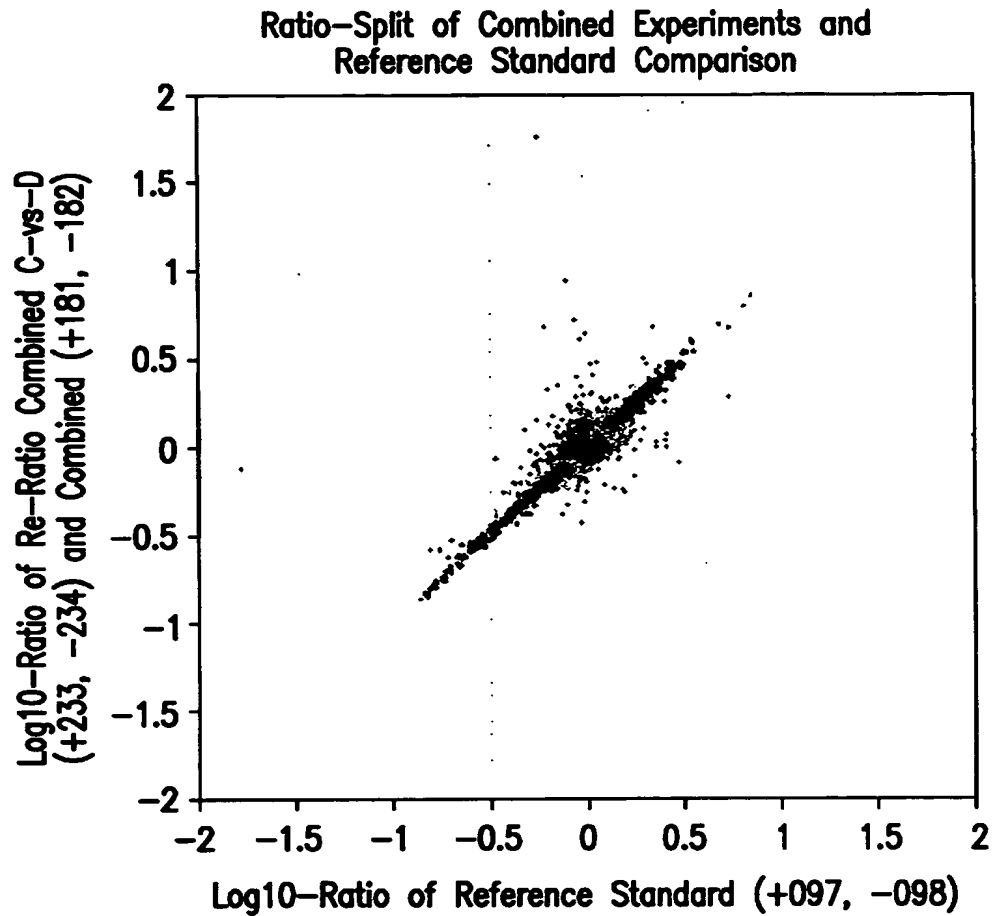
X Only = 5.14 percent

Signature in Both = 0.885 percent

Signature Union Correlation = 0.959

FIG.36

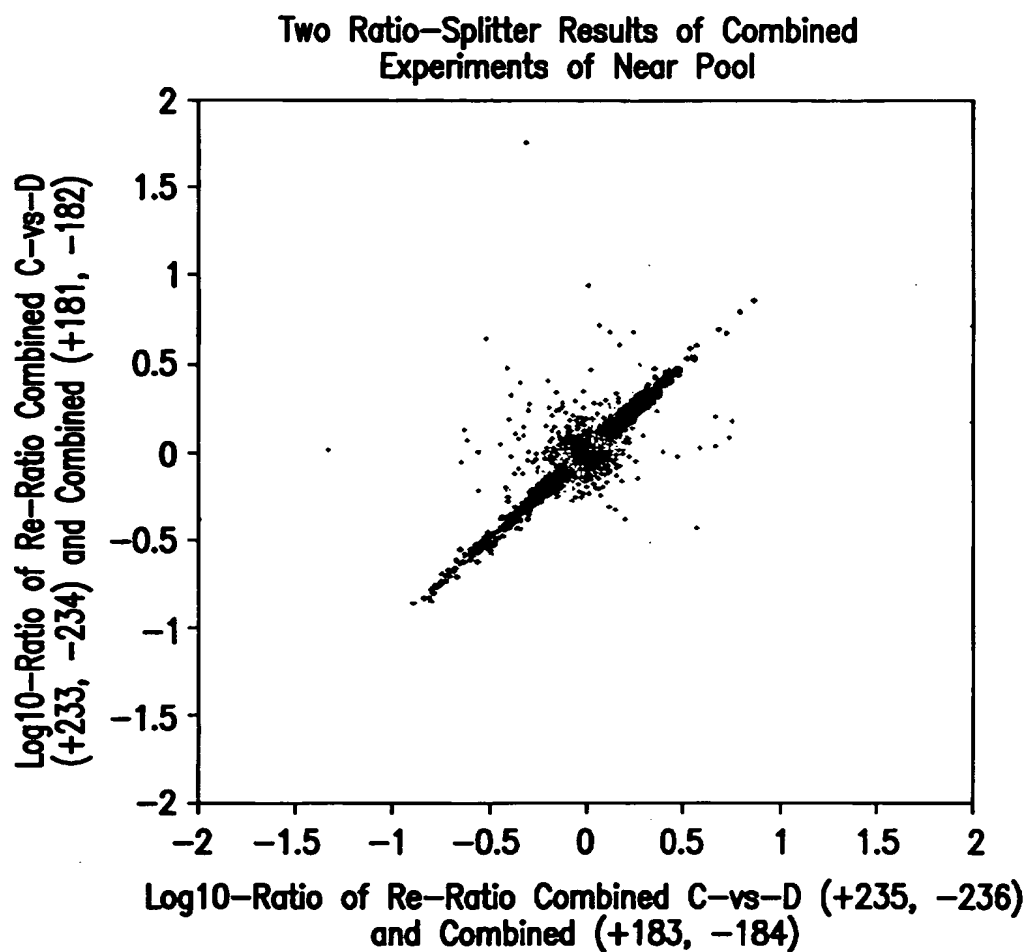
Replacement Sheet



Y Signature = 7.15 percent
X Signature = 6.02 percent
Y Only = 1.77 percent
X Only = 0.641 percent
Signature in Both = 5.38 percent
Signature Union Correlation = 0.995

FIG.37

Replacement Sheet



Y Signature = 7.15 percent

X Signature = 7.27 percent

Y Only = 1.02 percent

X Only = 1.15 percent

Signature in Both = 6.13 percent

Signature Union Correlation = 0.994

FIG.38

Replacement Sheet

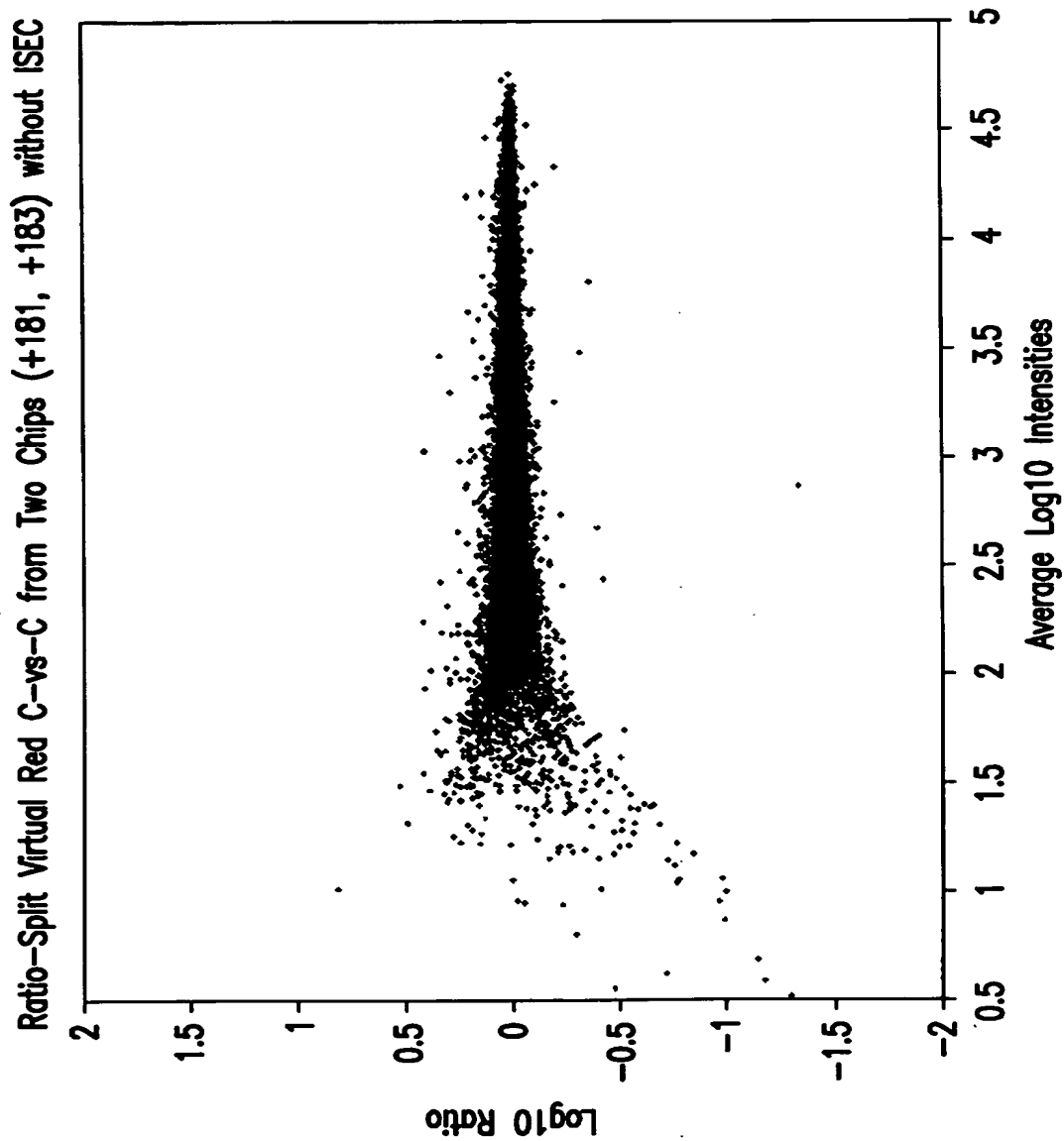


FIG.39

Replacement Sheet

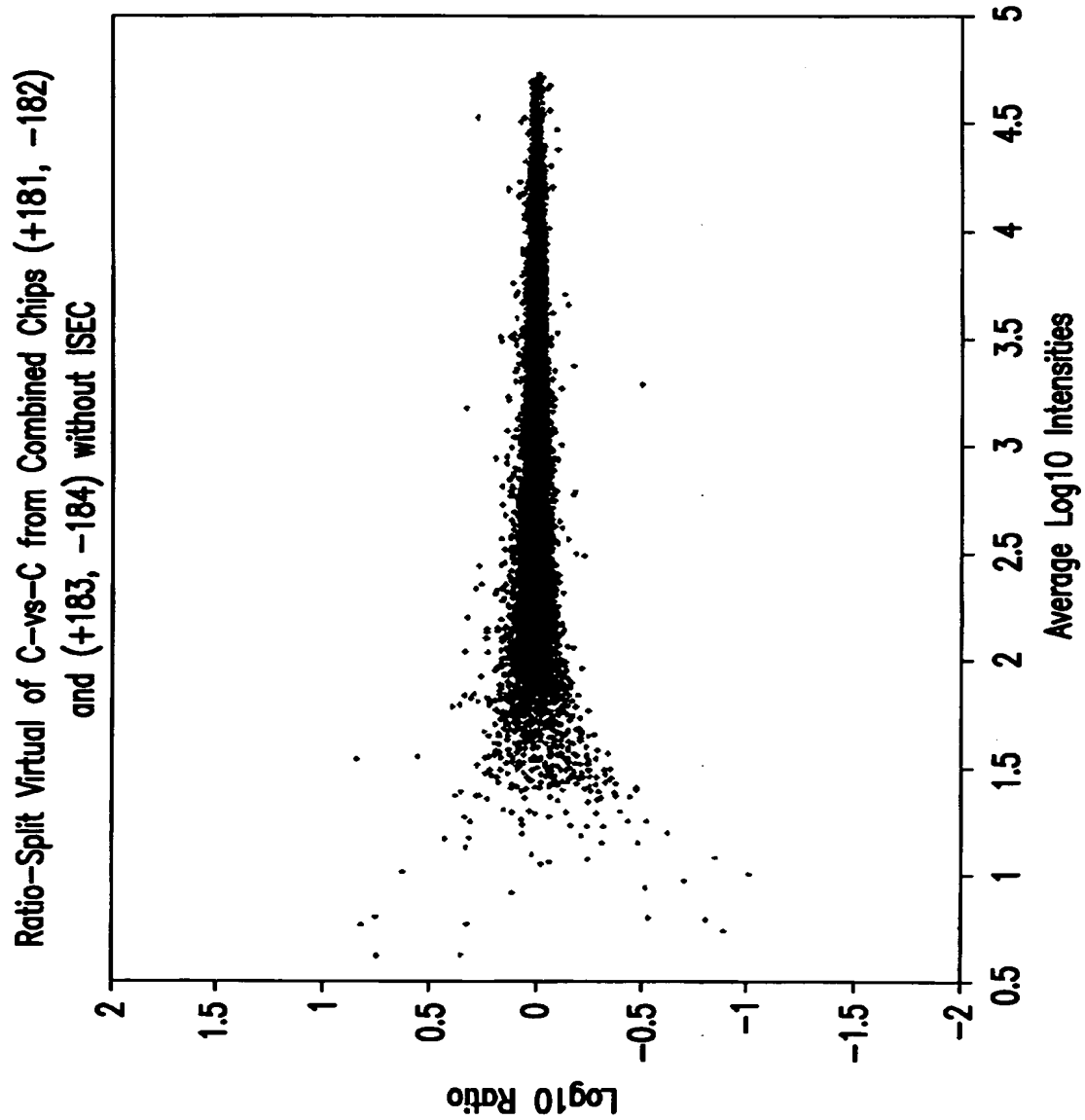


FIG.40

Replacement Sheet

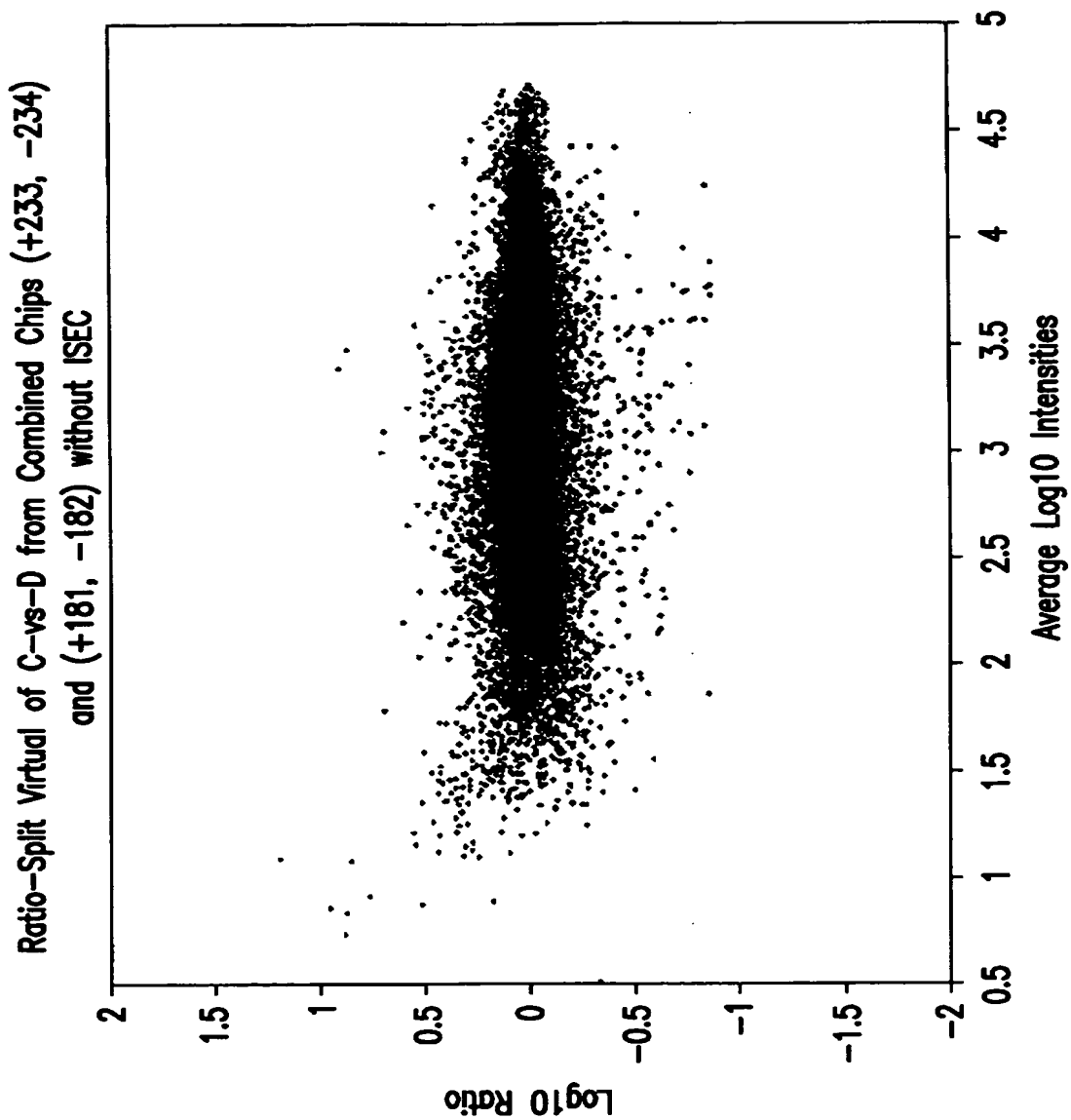
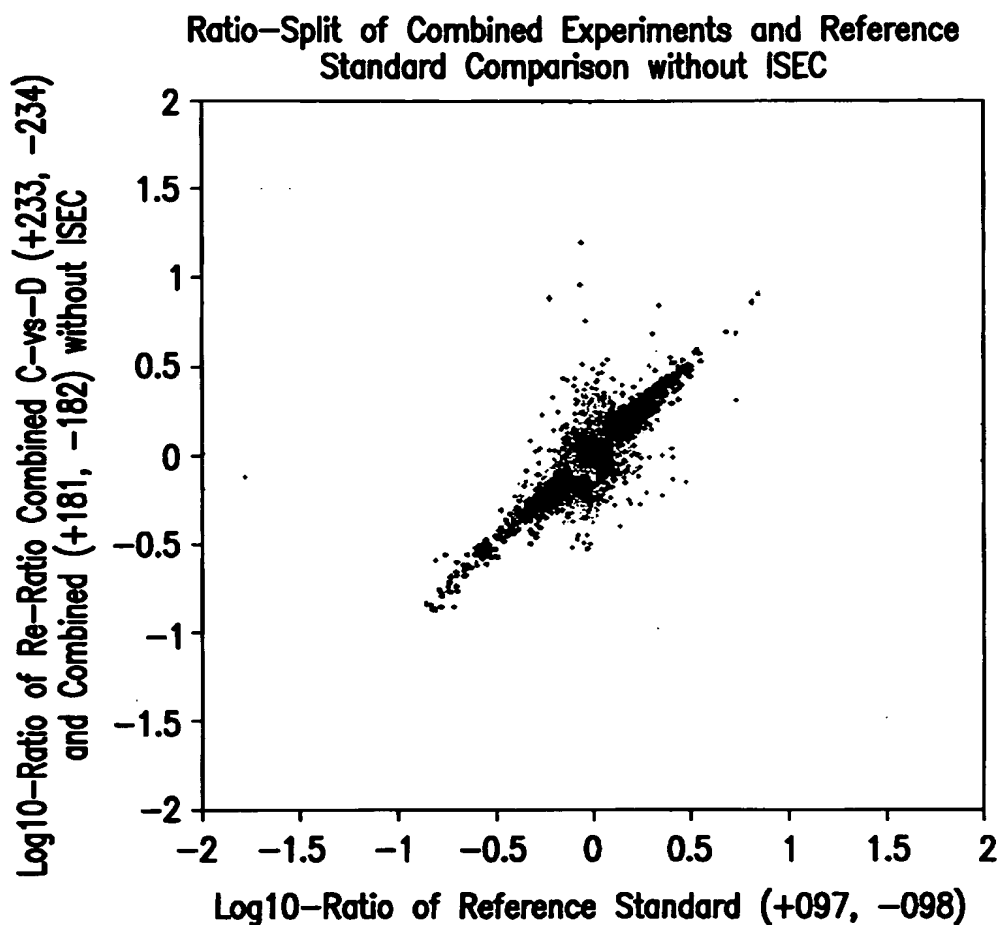


FIG.41

Replacement Sheet



Y Signature = 6.49 percent

X Signature = 6.02 percent

Y Only = 1.97 percent

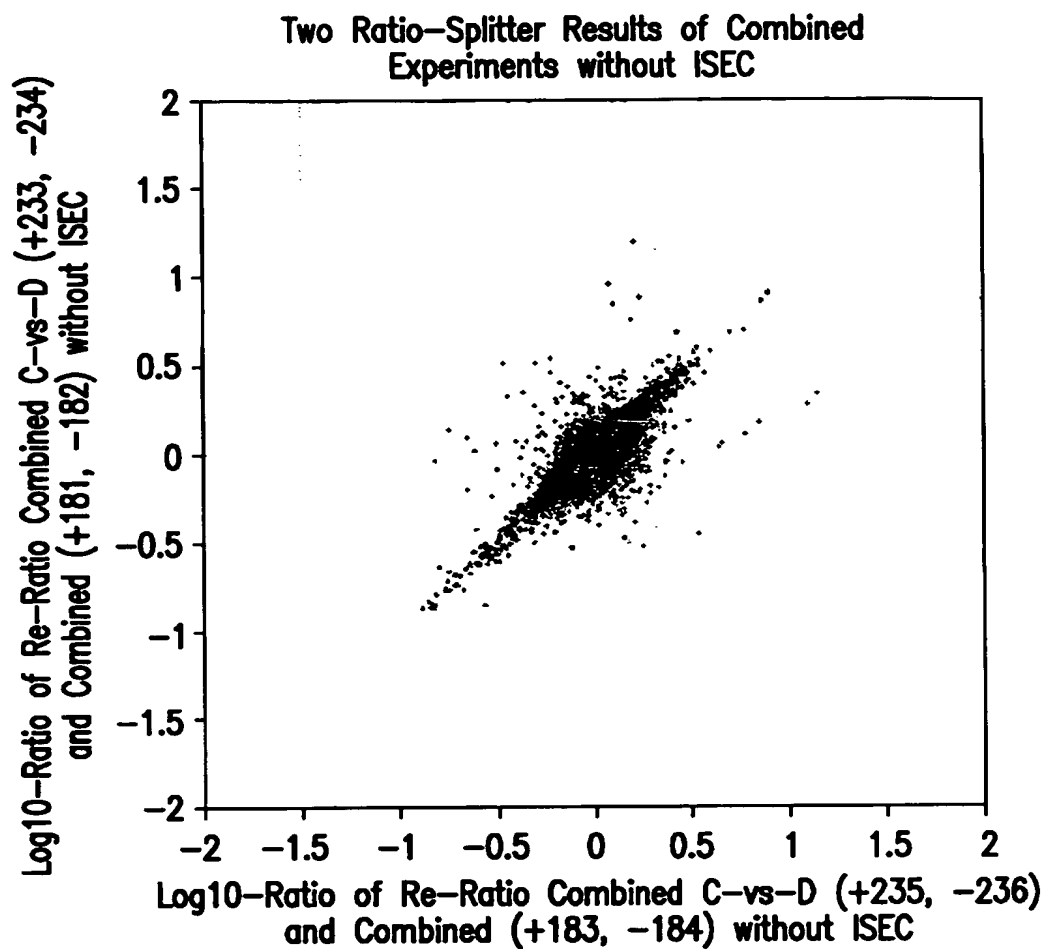
X Only = 1.5 percent

Signature in Both = 4.52 percent

Signature Union Correlation = 0.968

FIG.42

Replacement Sheet



Y Signature = 6.49 percent

X Signature = 6.76 percent

Y Only = 1.9 percent

X Only = 2.17 percent

Signature in Both = 4.6 percent

Signature Union Correlation = 0.955

FIG.43

Replacement Sheet

- real combined
- - - virtual combined
- virtual red-red
- · - · virtual green-green
- - - virtual red-green
- real red-green

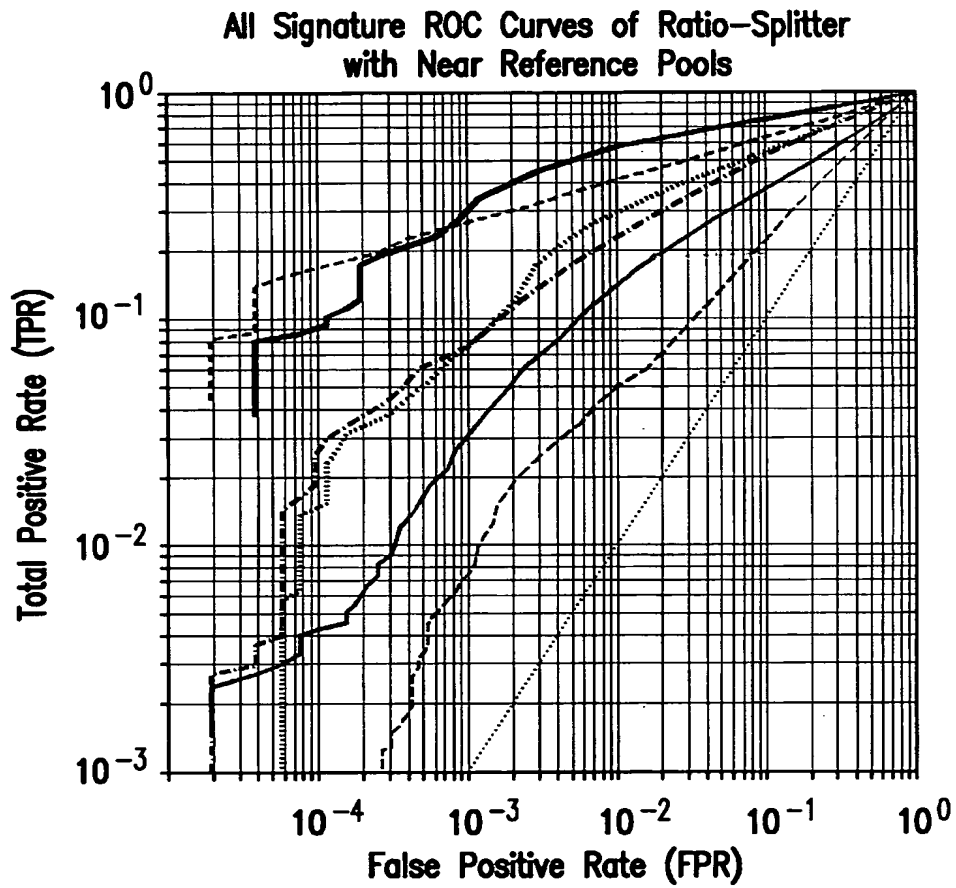


FIG.44A

Replacement Sheet

- real combined
- virtual combined
- virtual red-red
- .- virtual green-green
- .- virtual red-green
- real red-green

**All Signature ROC Curves of Re-Ratioer
with Near Reference Pools**

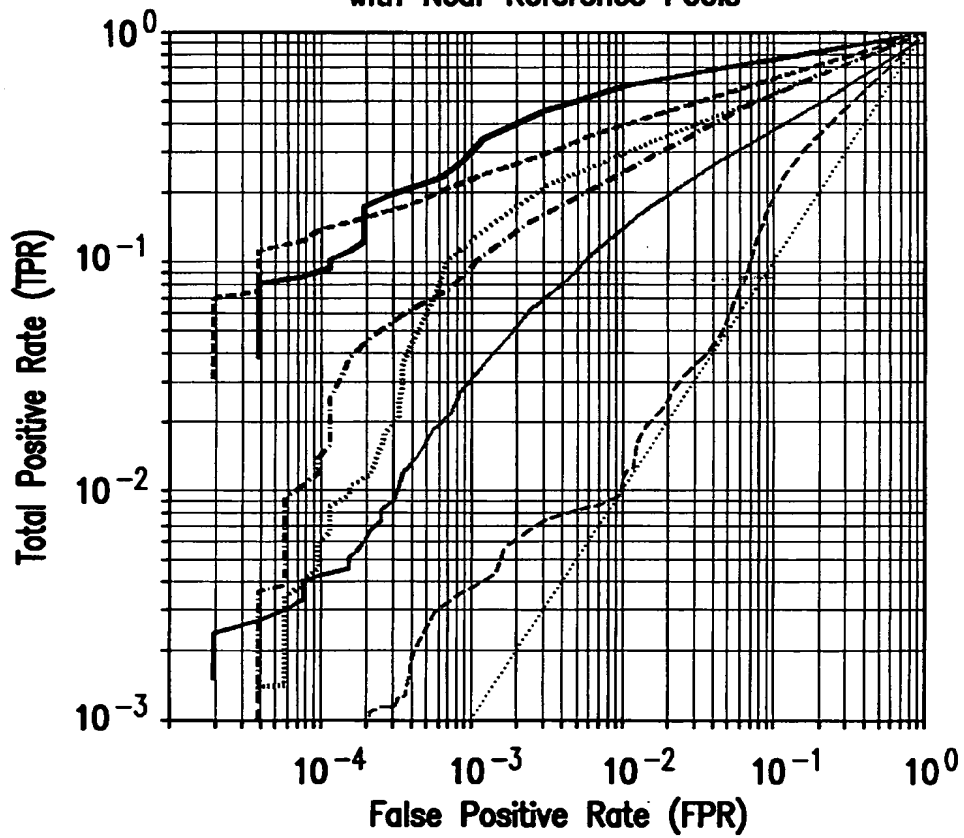


FIG.44B

Replacement Sheet

— real combined
--- virtual combined
..... virtual red-red
- - - virtual green-green
- - - virtual red-green
— real red-green

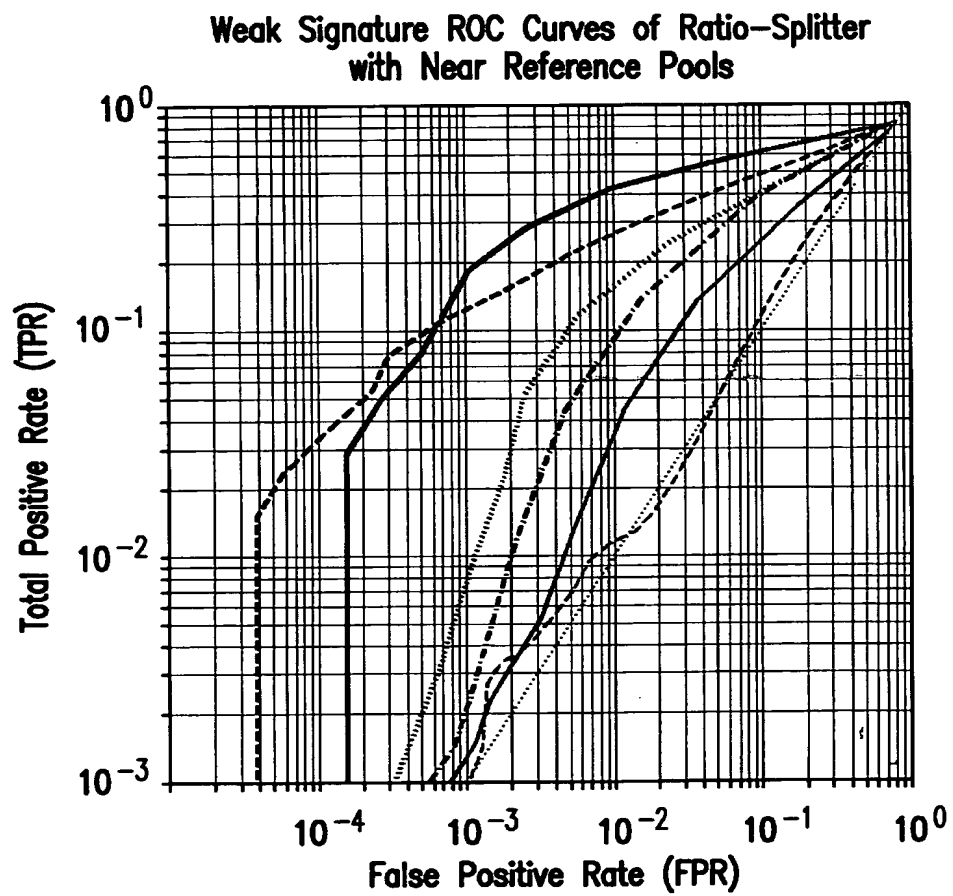


FIG.45A

Replacement Sheet

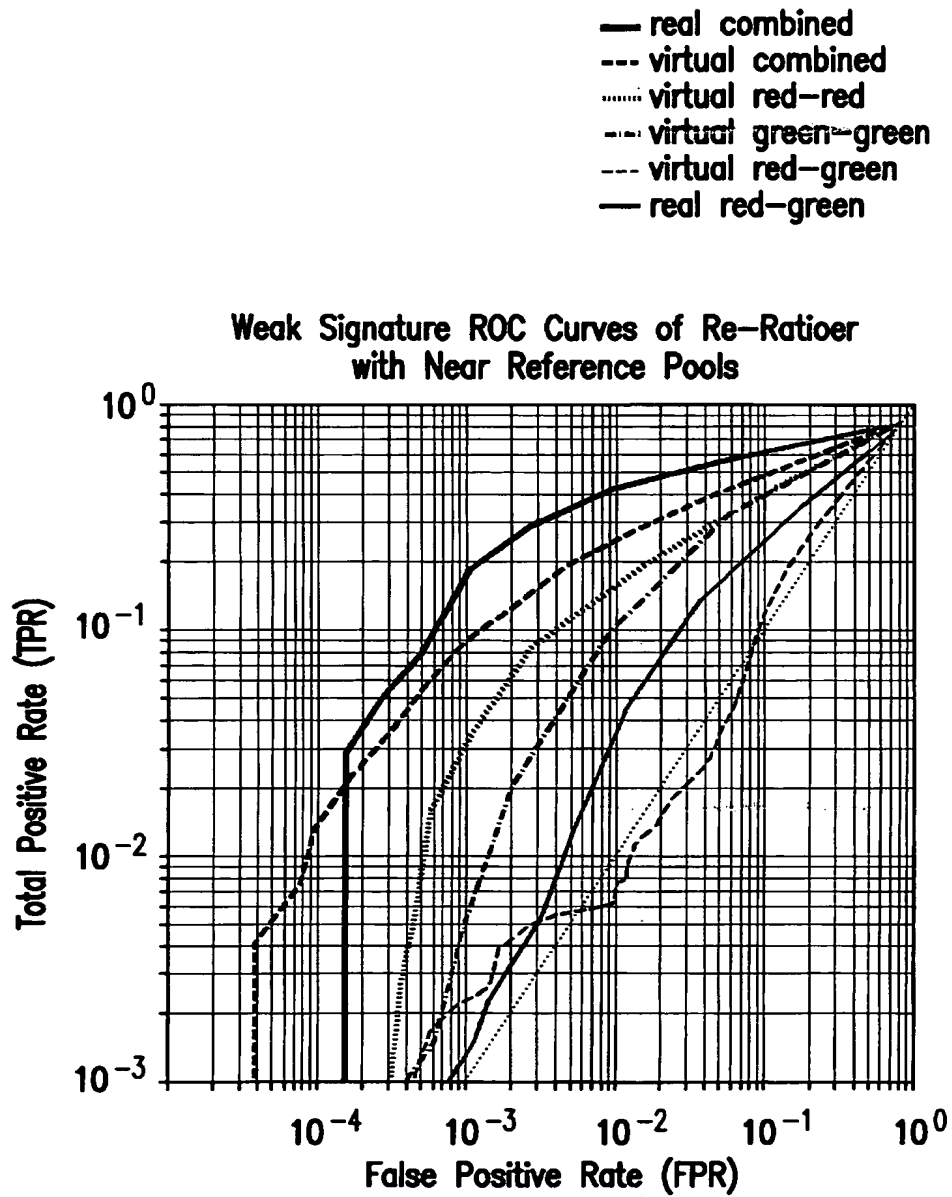


FIG.45B

Replacement Sheet

— real combined
--- virtual combined
..... virtual red-red
-.- virtual green-green
-.- virtual red-green
— real red-green

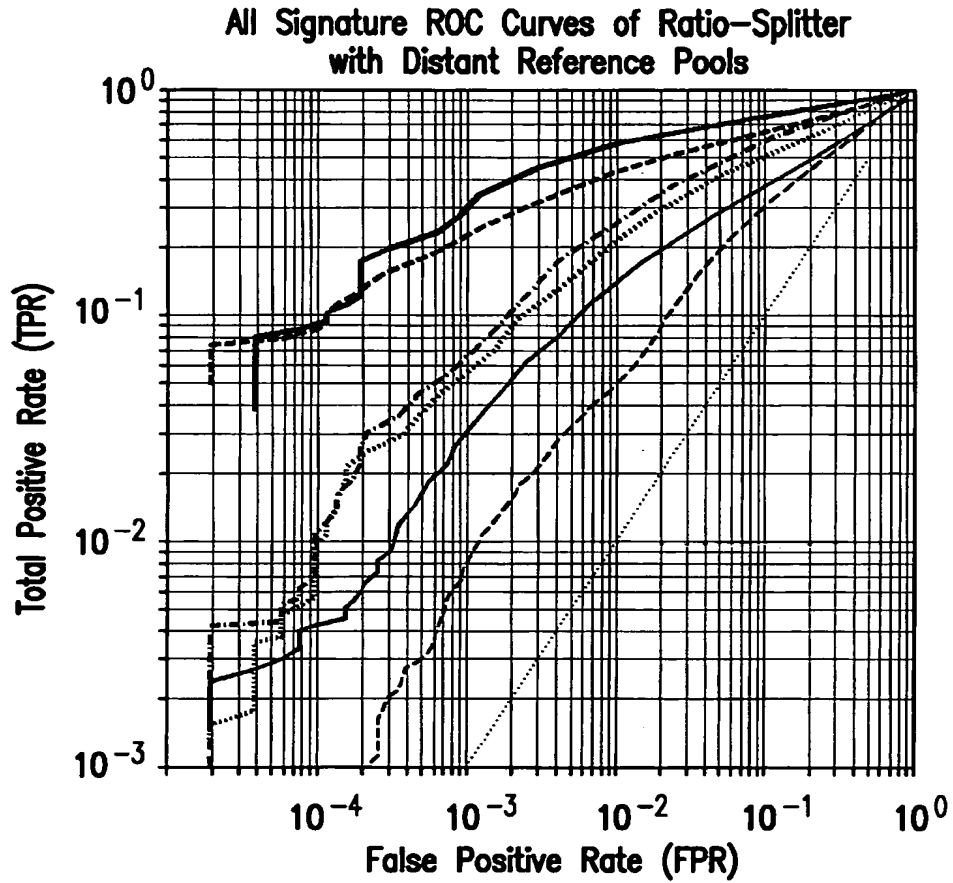


FIG.46A

Replacement Sheet

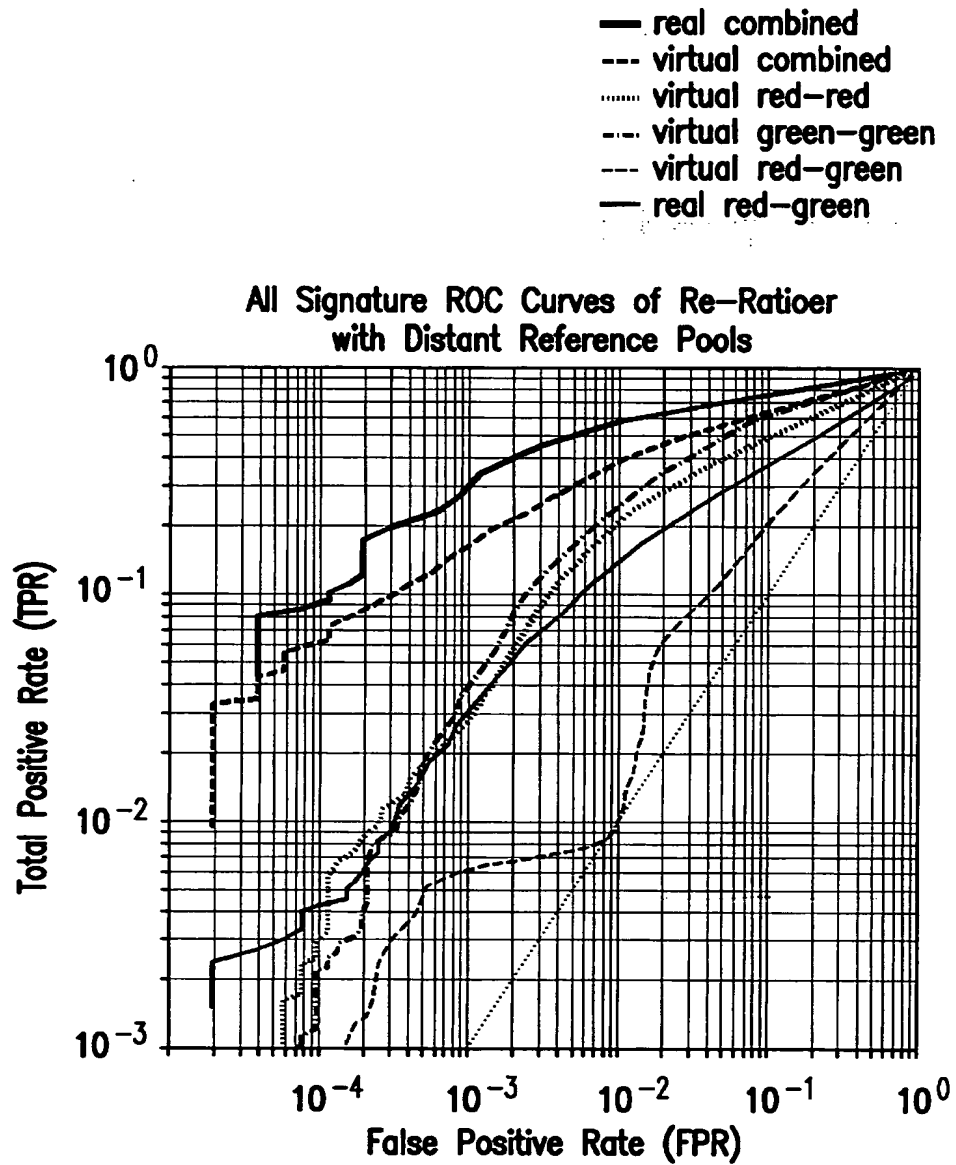


FIG.46B

Replacement Sheet

— real combined
--- virtual combined
..... virtual red-red
-.- virtual green-green
-.- virtual red-green
— real red-green

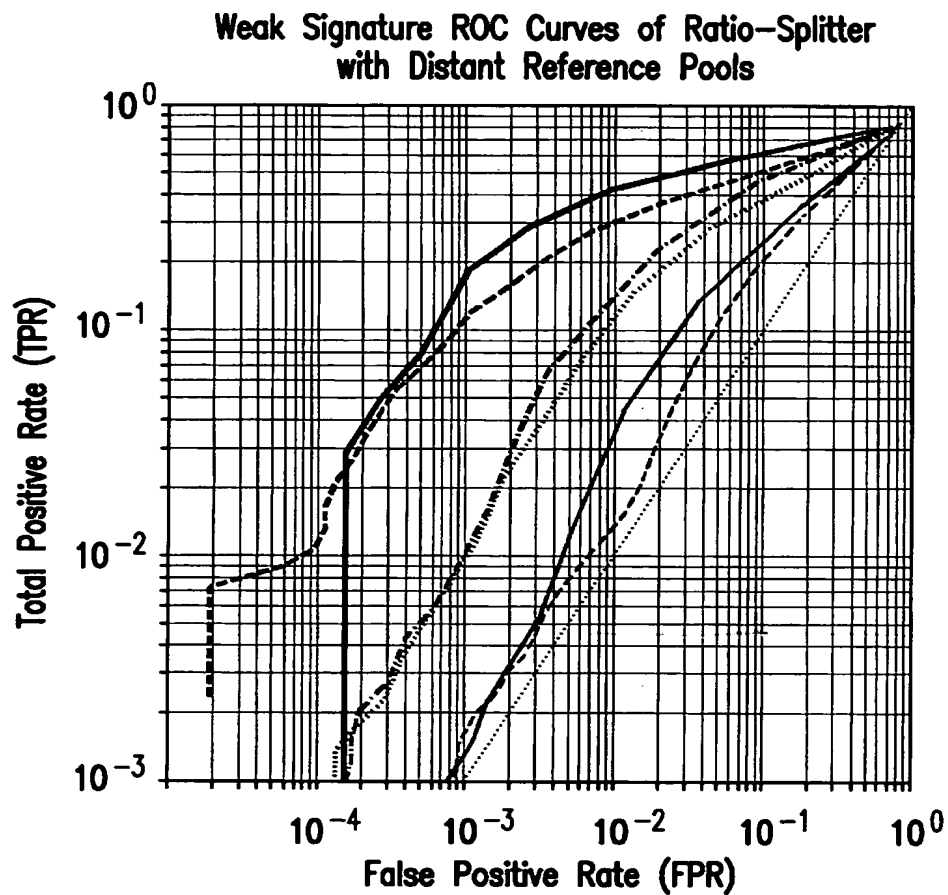


FIG.47A

Replacement Sheet

— real combined
--- virtual combined
..... virtual red-red
-.- virtual green-green
-.- virtual red-green
— real red-green

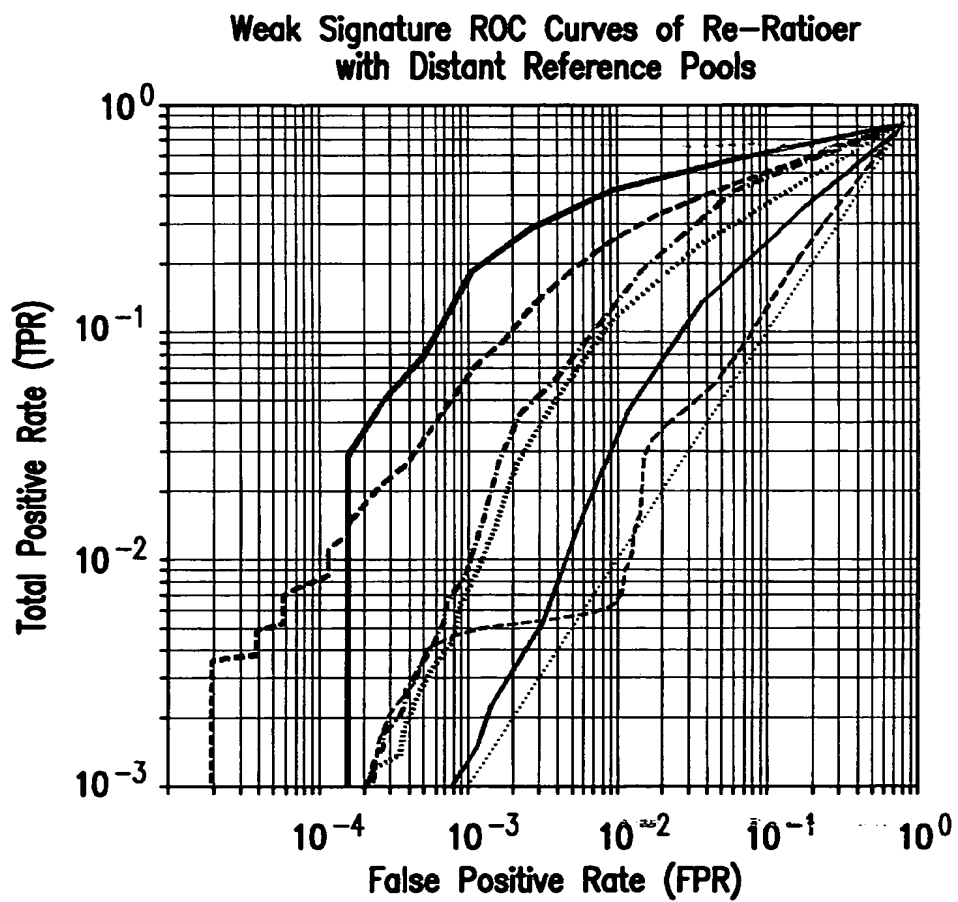


FIG.47B

Replacement Sheet

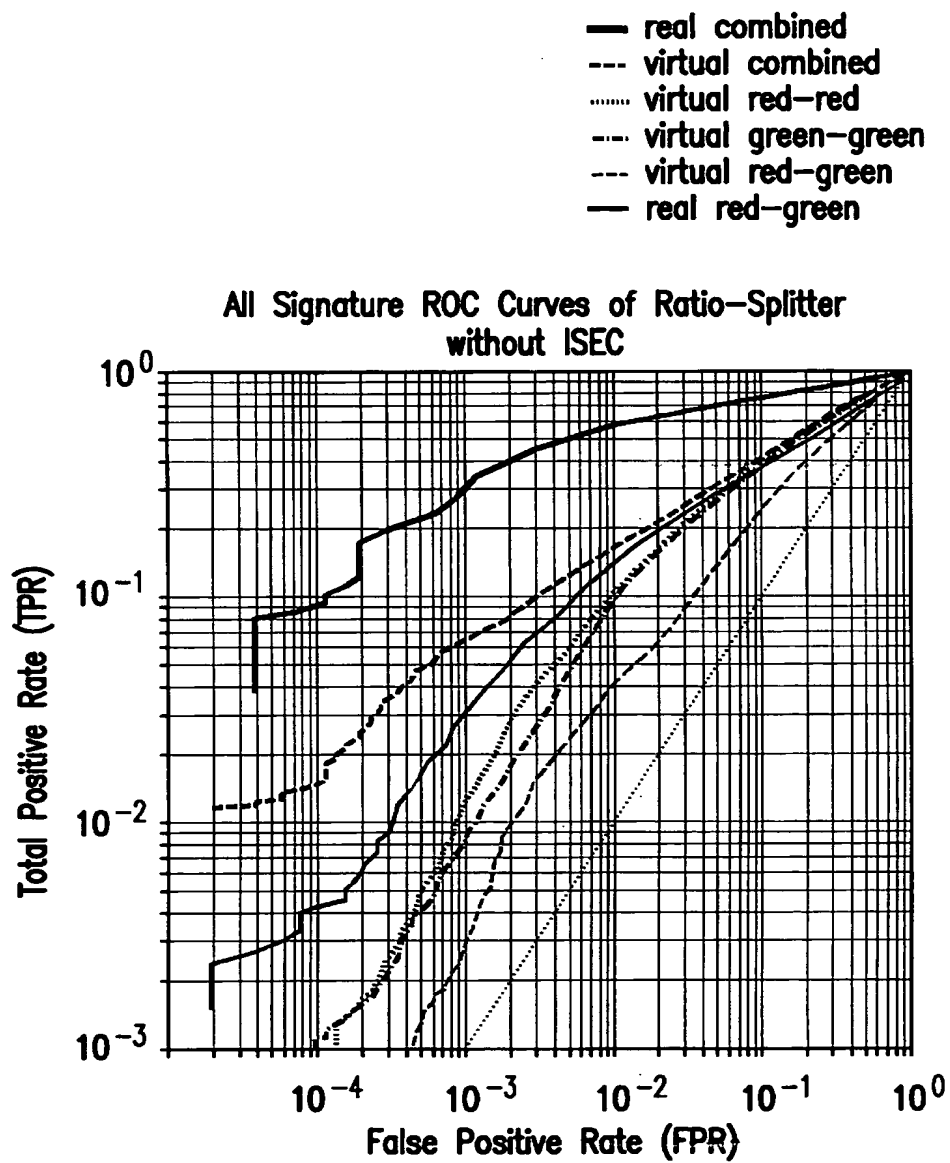


FIG.48A

Replacement Sheet

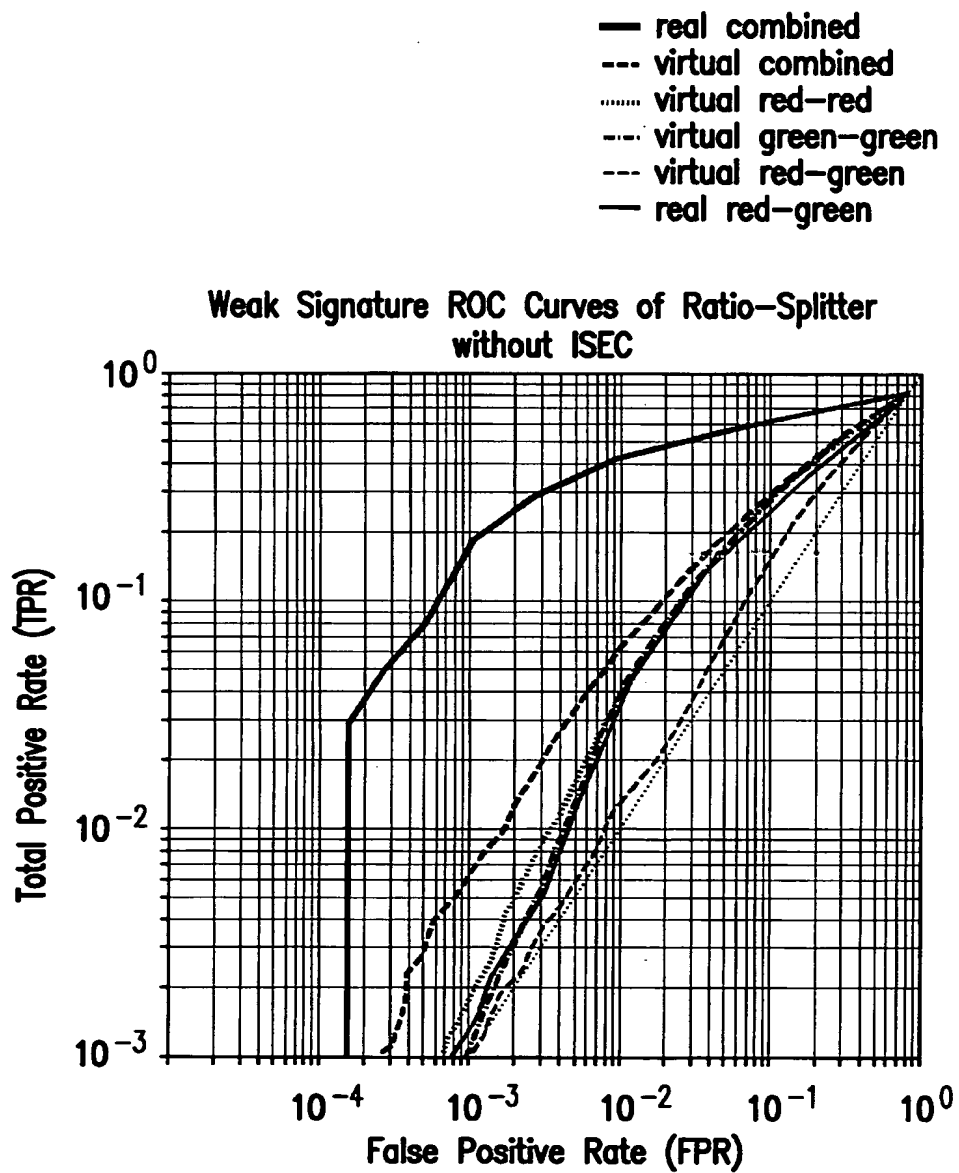


FIG.48B

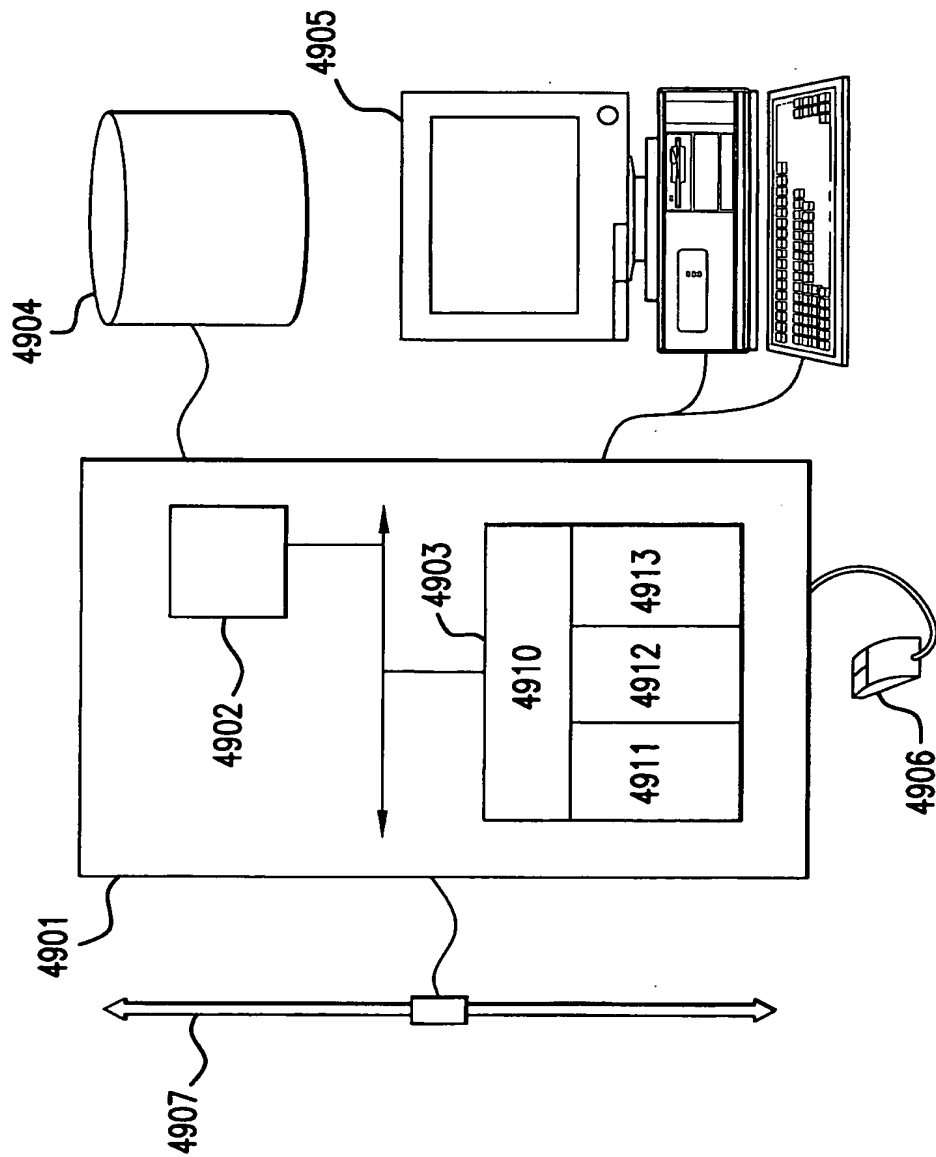


FIG. 49